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**PHILADELPHIA COLLEGE OF
OSTEOPATHIC MEDICINE**



LIBRARY

PCOM reserves the right to delete any course described in this catalog. The College also reserves the right to effect any other changes in the curriculum, tuition/fees, administration, or any other phase of school activity without notice. The College also publishes student handbooks containing more detailed information about college policies, procedures and organizations.



CATALOG
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PHILADELPHIA
COLLEGE OF
OSTEOPATHIC
MEDICINE

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Office of the Dean

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Office of Admissions

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PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE CATALOG

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PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

2000-2002

Summer 2000

May 11	Monday		PsyD Registration begins for Summer Session
May 24	Sunday	7:00 P.M.	Commencement
May 26	Tuesday		PsyD Summer Session 1 begins
June 1	Monday	9:00 A.M.	Physician Assistant Program Registration
June 2 - 3	Tues.-Wed.		Complex Level I
June 8 - July 31	Mon.-Fri.		Second Year Remedial Examinations
June 8	Monday		Clerkship 1 (Class of 1999/Class of 2000)
July 2	Thursday		PsyD Summer Session 1 ends
July 6 - July 17	Mon.-Fri.		First Year Remedial Examinations
July 6	Monday		Clerkship 2 (Class of 1999/Class of 2000)
July 7	Tuesday		PsyD Summer Session 2 begins
			SummerStart Program Begins
August 3	Monday		Clerkship 3 (Class of 1999/Class of 2000)
August 10	Monday		PsyD Registration begins for Fall Term (2nd-4th Year PsyD students only)
August 14	Friday		PsyD Summer Session 2 ends
			Physician Assistant Program Summer Session ends
August 18 - 19	Tues.-Wed.		Complex Level II (Military Students)

Fall 2000-2001

August 20 - 21	Thur.-Fri.	9:00 A.M.	First Year Class - Registration/Orientation
August 24	Monday	8:00 A.M.	First Year Fall Term classes begin
		9:00 A.M.	Physician Assistant Program Registration
		10:00 A.M.	Second Year Class - Registration
		11:00 A.M.	Centennial Convocation
		1:00 P.M.	Second Year Fall Term Classes Begin
		2:00-4:00 P.M.	PsyD Program Registration (1st year PsyD students)
		4:00 P.M.	Biomedical Sciences Registration
		6:30 P.M.	PsyD Program Opening Session
August 25	Tuesday		PsyD Fall Term Classes Begin
August 31	Monday		Clerkship 4 (Class of 1999/Class of 2000)
September 7	Monday		Labor Day (No Classes)
September 28	Monday		Clerkship 5 (Class of 1999/Class of 2000)
Sept 28 -Oct 2	Mon.-Fri.		No Classes for PsyD Program
September 30	Wednesday		Yom Kippur Holiday (No Classes)
October 26	Monday		Clerkship 6 (Class of 1999/Class of 2000)
November 9	Monday		PsyD Registration begins for Winter Term November
13	Friday		Fall Term classes end (All Programs except PsyD)
November 16 - 20	Mon.-Fri.		Final Exams
November 20	Friday		PsyD Program classes end

PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

2000-2002

Winter 2000-2001

November 23	Monday		Winter Term classes begin Second Term Begins for Class of 1999/ Class of 2000 Clerkship 7 (Class of 1999/Class of 2000)
November 26 - 29	Thurs.-Sun.		Thanksgiving break (All Students)
December 18	Friday		Winter Break Begins for PsyD Program
December 21	Monday		Clerkship 8 (Class of 1999) Winter Break begins for Class of 2000
December 22	Tuesday		Winter Break begins at close of classes
January 4	Monday		Classes Resume Clerkship 8 (Class of 2000)
January 18	Monday		Martin Luther King, Jr. Day (no classes)
January 19	Monday		Clerkship 9 (Class of 1999)
January 22	Friday	11:00 A.M.	Founders Day Assembly
February 1	Monday		Clerkship 9 (Class of 2000)
February 15	Monday		Clerkship 10 (Class of 1999)
February 19	Friday		Winter Term classes end (All Programs except PsyD)
February 22	Monday		PsyD Registration begins for Spring Term
February 22 - 26	Mon.-Fri.		Final Exams
February 26	Friday		PsyD Program classes end Spring Break begins following Final Exams
March 1 - 14	Mon.-Sun.		Spring Break for Class of 2000

Spring 2000-2001

March 8	Monday		Spring Term classes begin
March 9 - 10	Tues.-Wed.		Complex Level II
March 15	Monday		Clerkship 11 (Class of 1999) Clerkship 10 (Class of 2000)
April 2 - 5	Fri.-Mon.		Easter Holiday
April 12	Monday		Clerkship 12 (Class of 1999) Clerkship 11 (Class of 2000)
May 7	Friday		Second Year Spring Term classes end
May 10 - 14	Mon.-Fri.		Second Year Final Exams
May 9	Sunday		Third and Fourth Year End
May 10	Monday		Clerkship 1 (Class of 2000)
May 18	Tuesday		PsyD Registration begins for Summer Session
May 21	Friday		First Year Spring Term classes end Biomedical Science classes end Physician Assistant classes end
May 24 - 28	Mon.-Fri.		First Year Final Exams Biomedical Science Program Final Exams Physician Assistant Program Final Exams
May 28	Friday		PsyD Program classes end

PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

2000-2002

Summer 2001

May 10	Monday		Clerkship 1 - D.O. Class of 2000
May 18	Tuesday		Psy.D. Program Registration begins for Summer Session
June 1	Tuesday		Psy.D. Program Summer Session 1 begins
June 1-2	Tuesday-Wednesday		Comlex Level I
June 6	Sunday	3:00 P.M.	Commencement
June 7	Monday		Clerkship 2 - D.O. Class of 2000
			Clerkship 1 - D.O. Class of 2001
June 7 - July 30	Monday-Friday		D.O. Program Second Year Remedial Exams
June 28	Monday		Preceptorship 1 - P.A. Class of 2000
July 5	Monday		Clerkship 3 - D.O. Class of 2000
			Clerkship 2 - D.O. Class of 2001
July 6	Tuesday		SummerStart Program Begins
July 6 - July 16	Tuesday-Friday		D.O. Program First Year Remedial Exams
July 8	Thursday		Psy.D. Program Summer Session 1 ends
July 12	Monday		Psy.D. Program Summer Session 2 begins
August 2	Monday		Clerkship 4 - D.O. Class of 2000
			Clerkship 3 - D.O. Class of 2001
August 9	Monday		Preceptorship 2 - P.A. Class of 2000
August 10	Tuesday		Psy.D. Program Registration begins for Fall Term (2nd-5th Year Psy.D. students only)
August 17 - 18	Tuesday-Wednesday		Comlex Level II (Military Students)
August 20	Friday		Psy.D. Program Summer Session 2 ends

Fall 2001-2002

August 17-18	Tuesday-Wednesday	9:00 A.M.	P.A. Class of 2001 Registration/Orientation
August 19-20	Thursday-Friday	9:00 A.M.	D.O. Program First Year Class - Registration/Orientation
August 23	Monday		Fall Term Classes Begin
		10:00 A.M.	D.O. Program Second Year Class - Registration
		11:00 A.M.	Convocation/Dedication Student Activity Center
		2:00-4:00 P.M.	Psy.D. Program Registration (1st year students)
			M.S. Psychology Program Registration
		4:00 P.M.	Biomedical Sciences Registration/Orientation
		6:30 P.M.	Psychology Program Opening Session
August 30	Monday		Clerkship 5 - D.O. Class of 2000
			Clerkship 4 - D.O. Class of 2001
September 6	Monday		Labor Day (No Classes)
September 20 - 24	Monday-Friday		No Classes for M.S. Psychology Program
September 20	Monday		Yom Kippur Holiday (No Classes)
			Preceptorship 3 - P.A. Class of 2000
September 25	Saturday		Parent/Family Open House
September 27	Monday		Clerkship 6 - D.O. Class of 2000
			Clerkship 5 - D.O. Class of 2001
October 25	Monday		Clerkship 7 - D.O. Class of 2000
			Clerkship 6 - D.O. Class of 2001
November 1	Monday		Preceptorship 4 - P.A. Class of 2000
November 9	Tuesday		Psychology Program Registration begins for Winter Term
November 12	Friday		Fall Term classes end (All Programs except Psychology)
November 15 - 19	Monday-Friday		Final Exams
November 16	Tuesday		M.S. Psychology Program classes end
November 19	Friday		Psy.D. Program classes end

Winter 2001-2002

November 22	Monday		Winter Term Classes Begin
			Second Term Begins for D.O. Class of 2000/Class of 2001
			Clerkship 8 - D.O. Class of 2000
			Clerkship 7 - D.O. Class of 2001
November 25-28	Thursday-Sunday		Thanksgiving Break (All Students)
December 13-17	Monday-Friday		Fund. Of Preceptorships II - P.A. Class of 2000
December 17	Friday		Winter Break Begins for Psychology Program
December 20	Monday		Winter Break begins for D.O. Class of 2000/Class of 2001
December 22	Wednesday		Winter Break ends at close of classes

PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

2000-2002

Winter 2001-2002 (cont.)

January 3	Monday	Classes Resume Clerkship 9 - D.O. Class of 2000 Clerkship 8 - D.O. Class of 2001 Preceptorship 5 - P.A. Class of 2000
January 17	Monday	Martin Luther King, Jr. Day (no classes)
January 31	Monday	Clerkship 10 - D.O. Class of 2000 Clerkship 9 - D.O. Class of 2001 Preceptorship 6 - P.A. Class of 2000
February 14	Monday	Winter Term classes end (All Programs except Psy.D. Program)
February 18	Friday	Psy.D. Program Registration begins for Spring Term
February 22	Tuesday	Final Exams
February 21 - 25	Monday-Friday	M.S. Psychology Program classes end
February 25	Friday	Psy.D. Program classes end
		Spring Break begins following Final Exams
Feb. 28 - Mar. 12	Monday-Sunday	Spring Break for D.O. Class of 2000/Class of 2001

Spring 2001-2002

March 6	Monday	Spring Term Classes Begin
March 7 - 8	Tuesday-Wednesday	Complex Level II
March 13	Monday	Clerkship 11 - D.O. Class of 2000 Clerkship 10 - D.O. Class of 2001 Preceptorship 7 - P.A. Class of 2000
March 27	Monday	Clerkship 12 - D.O. Class of 2000
April 10	Monday	Clerkship 11 - D.O. Class of 2001 Easter Holiday
April 21 - 24	Friday-Monday	Easter Holiday for M.S. Psychology Program
April 21 - 26	Friday-Wednesday	D.O. Program Second Year Spring Term classes end
May 5	Friday	D.O. Program Third and Fourth Year End
May 7	Sunday	Preceptorship 8 - P.A. Class of 2000
May 8	Monday	D.O. Program Second Year Final Exams
May 8 - 12	Monday-Friday	Vacation - D.O. Class of 2001
May 8 - 14	Monday-Sunday	Clerkship 1 - D.O. Class of 2001
May 15	Monday	Psychology Registration begins for Summer Session
May 16	Tuesday	D.O. Program First Year Spring Term classes end
May 19	Friday	Biomedical Science classes end Physician Assistant classes end
May 22 - 26	Monday-Friday	D.O. Program First Year Final Exams Biomedical Science Program Final Exams Physician Assistant Program Final Exams
May 26	Friday	M.S. Psychology Program classes end Psy.D. Program classes end

Summer 2002

May 29	Monday	Memorial Day
May 30	Tuesday	P.A. Class of 2001 Summer Session Begins M.S. Psychology Program Summer Session Begins Psy.D. Program Summer Session 1 Begins
June 4	Sunday	D.O. Program Commencement
June 5 - July 28	Monday-Friday	D.O. Program Second Year Remedial Exams
June 6 - 7	Tuesday-Wednesday	Complex Level I
June 12	Monday	Clerkship 2 - D.O. Class of 2001 Clerkship 1 - D.O. Class of 2002
June 16	Friday	P.A. Class of 2000 Preceptorships End
To Be Announced		Graduate Programs Commencement
July 3 - 14	Monday-Friday	D.O. Program First Year Remedial Exams
July 4	Tuesday	4th of July Holiday (no classes)
July 7	Friday	Psy.D. Program Summer Session 1 Ends
July 10	Monday	Clerkship 3 - D.O. Class of 2001 Clerkship 2 - D.O. Class of 2002 Psy.D. Program Summer Session 2 Begins
July 14	Friday	M.S. Psychology Program Summer Session Ends
August 7	Monday	Clerkship 4 - D.O. Class of 2001 Clerkship 3 - D.O. Class of 2002
August 18	Friday	P.A. Class of 2001 Summer Session Ends
		Psy.D. Program Summer Session 2 Ends
August 21	Monday	New Academic Year Begins

PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE

Mission

Philadelphia College of Osteopathic Medicine is dedicated to providing programs of study to educate skilled professionals in health and science fields and competent and caring osteopathic physicians. The programs of study are built on the foundations of primary care, and an orientation to the needs of the community and they are guided by osteopathic tradition, concept and practice. The College is committed to the advancement of knowledge and encouragement of intellectual growth through research and leadership and to the advancement of the community through health promotion, education and service.

The College

Philadelphia is renowned for medical education. Among its five well-known medical colleges, only one is osteopathic. We at PCOM are proud of our osteopathic heritage. More than 60,000 osteopathic physicians practicing today are an integral part of America's health care delivery system.

The medical program trains students who will become skilled, caring, and successful physicians guided by the strengths of osteopathic principles refined during a century of medical practice, teaching and research. A growing variety of health-related graduate programs builds on PCOM's heritage of community-based care and the emerging vision of an integrated health care team.

PCOM was chartered in 1899 and has graduated more than 9,800 physicians. The college founders, O.J. Snyder, DO, and Mason Pressly, DO, were outspoken, pioneering physicians who explored and taught the use of manipulative therapy in the prevention of disease long before the use of penicillin and modern drugs. Each year, Founders Day celebrates our origin as a professional school dedicated to improved methods of the healing arts in accordance with osteopathic principles . . . and to research and the dissemination of scientific knowledge.

A leader among the 19 osteopathic colleges, PCOM is of national significance in osteopathic medical education. Our total medical student body numbers over 1000 and approximately 350 graduate students pursue their degrees at PCOM. Nearly 70 percent of our students are Pennsylvanians. More than 200 colleges and 21 states are represented in the student body.

Supported by the best modern technology, PCOM emphasizes a practitioner's approach and community orientation in all its degree programs to prepare students for the new challenges facing the behavioral and medical sciences in the 21st century.

The Degrees Awarded

Doctor of Osteopathic Medicine

PCOM awards the degree, Doctor of Osteopathic Medicine (DO) to graduates who satisfactorily complete the required four-year course of study in the osteopathic medical curriculum.

Master of Science in Biomedical Sciences

PCOM awards a Master of Science (MS) in biomedical sciences to graduates of an evening graduate program of 2-3 years duration. The program provides a strong base of biomedical content in the first year, followed by mentored research in the degree candidacy year(s).

Doctor of Psychology

A doctoral program in clinical psychology is offered, leading to the PsyD. This program follows a practitioner-scholar model and is designed for students who have previously earned a masters degree in a behavioral science. The program is comprised of a sequence of courses, practicum experience, comprehensive examinations, a dissertation and a clinical psychology internship.

Master of Science in Clinical Health Psychology

A 2-year, 48-credit program prepares students to provide evaluation, counseling and therapy services in a wide variety of clinical settings with an emphasis on using psychological interventions in the treatment of medical problems.

Master of Science in Health Science (Physician Assistant Studies)

A 2-year graduate-level program in physician assistant studies is offered, leading to the Master of Science in health science. This program accepts students from an accelerated bachelor's program in partnership with the University of The Sciences in Philadelphia and also accepts entering graduate students with bachelor's degrees from other institutions.

Advanced Master's Degrees: Forensic Medicine (MS) and Emergency Medicine (MS)

The advanced masters degrees are offered by the Department of Physician Assistant Studies and intended for mid-level health professionals who desire advanced knowledge, skills and credentialing in a specialized health area. Physician assistants, nurse practitioners, paramedics and other health professionals seeking a graduate degree can benefit from these programs, which are scheduled in evening and weekend sessions to accommodate the working professional.

Master of Science in Organizational Development and Leadership (MS)

The Organizational Development and Leadership graduate degree program is targeted to the working professional with evening and weekend class sessions. The 36-credit masters program prepares leaders in the art and science of managing strategic change by teaching the competencies and

skills sets for improving organization performance and realizing human potential.

Clinical Master of Science

As part of the college's residency training programs, PCOM also awards a Master of Science (MSc) in various clinical specialties. The requirements of this degree are described in the Postdoctoral Education section of this catalog.

Certificate of Advanced Graduate Study in Psychology

The Department of Psychology offers a 10-month program of weekend seminars in cognitive behavior therapy leading to the award of a Certificate of Advanced Graduate Study. A more detailed description of the CAGS program is provided in the section on Continuing Education in Psychology.

Certificate of Graduate Study in the Biomedical Sciences

Designed for students preparing for professional school admission, the certificate program provides a strong base of biomedical lecture and laboratory work in a one-year, full-time evening schedule.

Matriculation and Degree Conferral

Matriculation and attendance at the college are privileges granted to the student in consideration of performance of specified assignments and the maintenance of established standards of personal and professional conduct. The college reserves the right, and the student, by the act of matriculation, concedes to the college the right to require withdrawal at any time the college deems it necessary to safeguard PCOM standards of scholarship, conduct, and compliance with regulations, or for such other reasons deemed appropriate by the college.

Each candidate for a degree or certificate of graduate study must be free of indebtedness to the college. Neither the college diploma nor an academic transcript will be given until all financial obligations to PCOM have been met.

Accreditation

Philadelphia College of Osteopathic Medicine is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, (215) 662-5606. The Commission on Higher Education is recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Accreditation.

The college is also approved by the Department of Education of the Commonwealth of Pennsylvania. Documents of accreditation are on file in the President's Office, with copies in the Dean's Office, and may be seen upon request.

Philadelphia College of Osteopathic Medicine is fully accredited by the Bureau of Professional Education of the American Osteopathic Association, which is the recognized accrediting agency for the approval of colleges preparing osteopathic physicians.

PCOM's Physician Assistant Program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).

Memberships

Philadelphia College of Osteopathic Medicine is a member of the American Council on Education, the Association of Academic Health Centers, the American Association of Colleges of Osteopathic Medicine, and the Council for the Advancement and Support of Education.

The college is a member of the American Association of Colleges of Osteopathic Medicine, which is a constituent member of the American Council on Education.

ADMINISTRATION, TRUSTEES AND EMERITI

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Professors Emeriti

Caruso, Samuel L., DO, MSc, Professor of Pediatrics
Cathie, Ruth Waddel, DO, MSc, Professor of Pathology and
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Ceglowski, Walter, PhD, Professor of Microbiology/Immunology
Cipolla, Vincent T., DO, Professor of Anatomy
Conroy, James, F., DO, M.Sc., Professor of Internal Medicine
D'Alonzo, Albert F., DO, Professor of Internal Medicine
D'Alonzo, Henry A., DO, M.Sc., Professor of Surgery
DeBias, Domenic A., PhD, Professor of Physiology and Pharmacology
Denlinger, Fairman L., DO, Professor of Obstetrics and Gynecology
Feldman, Israel, DO, Clinical Professor of Dermatology
Fornace, Albert J., DO, Associate Professor of Internal Medicine
Harris, Cecil, DO, MSc, Clinical Professor of Psychiatry
Huffnagle, J. Vincent, DO, Professor of General Practice
James, Justice H., DO, Associate Professor of Pathology
Lieberman, Isadore, DO, Professor of Anesthesiology
Moy, Thomas, DO, Professor of Anesthesiology
Neifield, Martin S., DO, Clinical Professor of Otorhinolaryngology
Notzold, Richard A., PhD, Professor of Anatomy
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Schmidt, Ida, C. DO, Associate Professor of Osteopathic Principles
and Practice
Willis, Walter L., DO, Professor of Dermatology
Young, Galen S., DO, MSc, DSc (hon.), Professor of Surgery

COURSES OF MEDICAL STUDY:

Doctor of Osteopathic Medicine

Introduction to Osteopathic Medicine

As a philosophy, science and art, osteopathic medicine is a total approach to health and disease. It recognizes that the neuro-musculoskeletal system is of major importance to human life. The interrelationship between this and other body systems is a basic part of osteopathic philosophy.

Osteopathic medicine is a comprehensive approach to health and disease. Its emphasis upon primary care, health maintenance, and prevention of disease and attention to the neuro-musculoskeletal system are keys to its medical education and practice. Universally accepted today, these attributes were considered unorthodox when Dr. Andrew Taylor Still (1828-1917) objected to the crude medications of his time and sought to enhance the body's inherent healing through manipulation.

The osteopathic physician incorporates evaluation and treatment of the musculoskeletal system as a basis for an approach to health and disease, combining it with the diagnostic and therapeutic modalities used by general scientific approaches to the healing arts. Like their MD counterparts, DOs must be licensed in the states where they practice, and additional board certification in specialties further underscores their professional credentials. All 50 states and the District of Columbia provide for the unlimited practice of medicine and surgery by osteopathic physicians. Licensing boards are

usually composed of senior members of the osteopathic profession. In some states, MDs and DOs participate in combined licensing boards.

Osteopathic Philosophy

The basic premises accepted by this profession provide the osteopathic physician with a unique way of looking at health and disease. These premises include the following:

- The human body is a unit in which structure and function are reciprocally interdependent.
- The body, through a complex system, tends to be self-regulating and self-healing.
- The adequate function of body systems depends on the unimpeded flow of blood and nerve impulses.
- The musculoskeletal system is a major body system, and its importance exceeds that of mere framework and support.
- There are musculoskeletal components to disease that are not only manifestations of the disease, but also important contributing and maintaining factors.

The adoption of these basic premises led to the development of the osteopathic total-body concept. The patient is considered ecologically rather than as an isolated unit. Instead of emphasizing the momentary disease state, the osteopathic approach studies and treats the person's well-being, lifestyle and behavior as a whole.

Through the American Osteopathic Association (AOA), the profession maintains its independence and its own medical schools and hospitals while cooperating with other branches of medical science. Primary care is emphasized in the educational program, and a majority of graduates enter primary care fields. However, DOs participate in all specialty and subspecialty areas of current medical practice.

Educational Goals

A fundamental educational goal of the college is to prepare students for excellence in the practice of osteopathic medicine. The course of medical study is a practitioner's program with a strong emphasis on primary care, prevention, and osteopathic concepts.

Each PCOM student progresses through a uniform and comprehensive curriculum designed to achieve this goal. Elective clinical clerkships expose students to specialty or subspecialty fields during training, and later they may specialize. At PCOM, students first are trained as family practitioners and thus build solid foundations for their careers. Throughout the curriculum, osteopathic concepts and methods are stressed.

Efficiency is also an educational goal, maximizing each student's learning by utilizing the most effective educational methodologies available. Innovations such as computerized tutorials, classroom videos, and simulated patient encounters will sharpen skills as a physician. Our curriculum revision bridges old departmentalizations, joining related disciplines, such as basic sciences to surgery and internal medicine, so that students relate different perspectives to a variety of conditions taught in a common time frame.

Instruction is attuned to the changing demands in American health care.

About 65 percent of our graduates enter primary care practice where the large majority of health problems are treated today.

The Basic Sciences and Preclinical Years

The first two years lay the foundation with intense concentration on the basic sciences, anatomy, biochemistry, molecular biology, neuroscience, physiology, microbiology, pathology, and pharmacology, taught in integrated course units that emphasize clinical applications. PCOM also recognizes that medical practice is more than science. Course work in ethics, communication and human sexuality helps the student relate well to patients, while content in medical law and medical economics prepares students for the complex world of private practice.

The basic sciences are complemented by instruction in clinical subjects such as internal medicine, surgery, neurology, psychiatry, pediatrics, public health, OB/GYN, family medicine, rehabilitation medicine, geriatrics, radiology, oncology, and physical diagnosis. The principles and practices of osteopathic medicine are taught throughout. All students attend small group sessions throughout the first and second year to develop communication and diagnostic skills. These special instructional activities include health care center observation and basic clinical skills workshops. In addition, an active standardized patient program introduces first and second year students to patient care through videotaped examinations of patient actors in a new clinical learning lab.

PCOM students begin preparation for the world of clinical medicine from their first day as freshman medical students. Our curriculum combines basic science and clinical course content with integrated courses such as Integrated Biomedical Sciences, Clinical and Basic Neuroscience, and an integrated approach to pharmacology, pathology, medicine and surgery.

Clinical Education

The last two years emphasize clinical training experiences. PCOM students are assigned to clinical clerkships throughout the Commonwealth of Pennsylvania and neighboring states. This unique training network comprises 37 affiliated hospitals, five health care centers, numerous outpatient units, and scores of physician's offices. These clinical settings become teaching arms of the college; in effect, the Commonwealth is our campus.

The program is designed to afford progressive student responsibility for all phases of patient care under the direction of experienced physicians. This includes history taking, physical examinations, daily patient rounds, lectures, conferences, and case presentations. Students rotate through services in medicine, family practice, manipulative medicine, surgery, cardiology, ob/gyn, pediatrics, psychiatry, otorhinolaryngology, and office-based preceptorships. On elective clerkships, students may choose to pursue special interests at other medical institutions anywhere in Philadelphia or the nation. All students receive additional training in osteopathic manipulative medicine in the third year.

One objective of the college is to encourage graduates to locate in Pennsylvania communities where health care services are most needed.

Therefore, each student entering PCOM must be willing to accept clinical education assignments throughout the region.

During the senior year, the student spends 12 weeks in a Health Care Center clerkship. Eight weeks are in our urban clinics and 4 weeks in one of several rural centers located throughout Pennsylvania and surrounding states. An alternative rural selective is offered to a limited number of students, whereby the student may select an area of alternative health care delivery or a rural area of intense medical need. In the past, students have chosen studies in India, Israel, Africa, Appalachia, and Indian Health Service sites.

Prior to graduation, the senior students sit for the Part II Complex licensing examination.

Requirements for Graduation

Each candidate for the degree of Doctor of Osteopathic Medicine (D.O.) must be age 21 or older, be of good moral character and have taken Parts I and II of the COMLEX (National Board of Osteopathic Medical Examiners) as scheduled by the Office of the Dean. Part I of the COMLEX examination must be passed prior to graduation. Each candidate must have completed satisfactorily the program of study PCOM requires for the degree within 7 years from the date of initial matriculation. Personal attendance at the commencement ceremonies conferring the degree is required of each candidate.

Requirements for Practice: Each recipient of the DO degree must fulfill the requirements of the state licensing board of the state in which the physician chooses to practice. These requirements vary widely and are regulated by the laws of each state.

Predoctoral Research

Opportunities exist for extracurricular research experience for all of PCOM's students. Research laboratories and equipment as well as electron microscopic, computer and animal facilities are available for this purpose. Students have the opportunity to work with faculty members on a variety of biomedical topics.

Most such research is performed between the first and second academic years. Students may be partially funded for their research efforts, based on eligibility, through college work-study or external granting agencies. A compilation of faculty research projects/interests may be obtained from the Assistant Dean for Curriculum and Research.

SPECIAL PROGRAMS

DO/MBA Program

In conjunction with Saint Joseph's University, the Master of Business Administration degree may be earned by DO program students who concurrently complete a five-year course of study for the DO degree and a two-year program for the MBA.

Created in 1989 as the nation's first DO/MBA degree, the curriculum requires up to 42 hours of MBA course work during two summer sessions

and four semesters of evening classes in the joint program. This new program responds to the increasing need for business acumen in medical practice. It also prepares physicians for a wide range of emerging careers in medical administration.

DO/MPH Program

Students who have successfully completed their first year of study at PCOM may enter a special joint degree program in affiliation with Temple University, leading to the Master of Public Health. Like the DO/MBA program, the Master of Public Health track is a 5-year program.

The DO/MPH program specializes in community health education, and prepares physicians to serve as public health officials and to fill positions in community, government, and health care agencies. The Master of Public Health degree also prepares students for eventual specialty training and certification in occupational or environmental medicine.

DO/PhD Program

Conducted in association with the University of the Sciences in Philadelphia, the DO/PhD program in Health Policy Studies allows PCOM students to augment their medical education with a research-based doctoral program as preparation for positions of national leadership in health policy making and analysis through study of research methods, epidemiology, economics, technology, statistics, law and public health policy. Graduates are trained to research and analyze issues affecting health care delivery and health status in a range of professional settings. The DO/PhD program is a 6-year, dual degree track open to qualified first-year DO students.

Undergraduate Fellowship in Osteopathic Manipulative Medicine

The C. Paul Snyder Undergraduate OMM Fellowship seeks to assist in the development of the student into a highly skilled clinician in all aspects of osteopathic medicine. Students may enter the undergraduate fellowship after their second year of study. The fellowship extends the clinical rotation curriculum to three years. At least 12 months of clinical training is provided in the Department of Osteopathic Manipulative Medicine in this program. Fellows have special academic, clinical, and research responsibilities beyond those of other students. Participation in the fellowship is credited toward board certification in osteopathic manipulative medicine. Fellows receive remission of tuition, a monthly stipend and travel allowance.

Postdoctoral Medical Education

The education of a physician is not completed with the attainment of a medical degree; it is a continuing process. PCOM conducts postdoctoral courses and Residency programs to further the education of recent graduates of colleges of osteopathic medicine and to maintain the knowledge and skills of practicing osteopathic physicians.

Internships and Residencies

PCOM is continuously expanding internship and residency opportunities to serve the postgraduate educational needs of graduates of PCOM and

other Osteopathic Colleges. Through affiliations with Tenet Health Systems Medical College of Pennsylvania and Parkview Hospitals, St. Agnes Medical Center, Episcopal Hospital, Albert Einstein Medical Center and others, approximately 200 interns and residents are currently in training.

The college also sponsors AOA-approved, College-coordinated Internship programs at affiliated hospitals throughout Pennsylvania, which include:

Easton Hospital - Easton, Pa.

Guthrie Clinic/Robert Packer Hospital - Sayre, Pa.

Lehigh Valley Hospital - Allentown, Pa.

Medical Center of Beaver - Beaver, Pa.

St. Francis Medical Center - Pittsburgh, Pa.

St. Joseph's Hospital - Reading, Pa.

The residency programs of PCOM are held to a high standard of clinical excellence, with a commitment to teaching and active encouragement of resident research. An opportunity for completion of a Clinical Master of Science Degree as part of the residency program is also present. The college currently offers approved residency training in a wide array of clinical specialties including Osteopathic Manipulative Medicine.

Postgraduate Training Programs

Dermatology - Approved Positions: 6

Stephen Purcell, DO., Program Director

Emergency Medicine - Approved Positions: 36

Douglas McGee, DO, Program Director

ENT - Approved positions: 8

Theodore Mauer, DO, Program Director

Family Practice - Approved Positions: 33

Harry Morris, DO, Program Director

General Surgery - Approved Positions: 16

Arthur Sesso, DO, Program Director

Internal Medicine - Approved Positions: 40

John Simelaro, DO, Program Director

Neurosurgery – Approved Positions: 6

Richard Kanoff, DO, Program Director

OB/GYN - Approved Positions: 24

Saul Jeck, DO, Program Director

Ophthalmology - Approved Positions: 7

Carlo DiMarco, DO, Program Director

Orthopedic Surgery - Approved Positions: 16

John McPhilemy, DO, Maxwell Stepanuk, DO, Program Directors

Osteopathic Manipulative Medicine – Approved Positions: 4

W. Thomas Crow, DO, Program Director

Plastic and Reconstructive Surgery - Approved Positions: 6

Sherman Leis, DO, Program Director

Urologic Surgery - Approved Positions: 7

Phillip Ginsberg, DO, Program Director

Admission to Postgraduate Training

Enrollment in the internship and residency programs at PCOM is highly competitive in order for the most qualified applicants to receive the best training programs possible. Therefore, it is recommended that application be made at the earliest possible date preceding the annual commencement of most programs on July 1. The internship program participates in the AOA Intern Match.

The minimum requirements for admission to a rotating internship are: (a) Graduation from a college of osteopathic medicine approved by the American Osteopathic Association. (b) A record of scholastic achievement indicative of the ability to benefit fully from a year of AOA-approved internship training.

The minimum requirements for admission to residency in one of the various specialties are: (a) Graduation from a college of osteopathic medicine approved by the American Osteopathic Association. (b) Completion of an AOA-approved internship. (c) A record of scholastic and clinical achievement indicative of the ability to benefit fully from the residency training program.

Application requests for an internship or residency should be addressed to: Associate Dean for Postgraduate Education, Philadelphia College of Osteopathic Medicine, 4170 City Avenue, Philadelphia, PA 19131.

Clinical Master of Science Degree

Philadelphia College of Osteopathic Medicine conducts programs of study in clinical specialties leading to the Clinical Master of Science degree (MSc). These programs are postdoctoral degree programs and are available only to those candidates who pursue a full-time residency program at one of the affiliated hospitals of Philadelphia College of Osteopathic Medicine.

Application for admission to the program, leading to a Clinical Master of Science degree, shall be submitted to the Assistant Dean for Curriculum and Research at least one academic year prior to the academic year in which the candidate expects to receive his or her degree.

The minimum requirements for admission to the Clinical Master of Science program are:

1. Graduation from a college of osteopathic medicine approved by the American Osteopathic Association.
2. Completion of an internship approved by the American Osteopathic Association.
3. Enrollment full-time in a residency program at one of the hospitals affiliated with Philadelphia College of Osteopathic Medicine.

The procedures to be followed for completion of requirements for the Master of Science degree:

1. A Research Project Proposal (RPP) shall be submitted describing the proposed research. Research is defined as an original systematic inquiry into a biomedical subject to discover or revise facts, theories, applications, etc. The RPP shall have the approval of Chairperson of the resident's department and then will be submitted in writing to the Director of the Clinical Master of Science Program. The director will then send copies to the Associate Dean for Graduate Medical Education

and the Associate Dean for Curriculum and Research for review and approval.

2. After receiving such approval, the resident will then submit the RPP to the appropriate committees (e.g., IRB, IACUC, Biohazards) of the institution where the research is to be conducted and to the same committees at PCOM. Upon approval by all appropriate committees, the Director, in consultation with the resident, shall establish a thesis committee.
3. The Thesis Committee shall supervise the progress of the project and writing of the thesis. The Committee shall be composed of at least five members, including the Department Chairperson, an Advisor, Associate Dean and at least three members of the Faculty. The Department Chairperson shall select the members and submit the Committee's membership to the Associate Dean for approval.
4. The candidate may request advice from any faculty member or others who may be of assistance, but it shall be the responsibility of the candidate to perform all of the necessary requirements for completion of the project, including statistical analyses and writing of the thesis. The candidate shall meet at least twice with the Thesis Committee to report on the progress prior to the final defense.
5. Upon completion of the program, the candidate shall present his or her findings to a general audience of the faculty, as well as to the Thesis Committee in a private session. The deadline for the presentation shall be March 15 of the year in which the degree is expected. The Thesis Committee shall convey its recommendation to the Assistant Dean.
6. The Associate Dean shall submit his or her recommendation to the Dean, who will petition the President and the Board of Trustees.
7. The Clinical Master of Science degree shall be conferred at the commencement ceremonies.
8. The thesis must be bound and presented to the Dean before graduation for deposition in the library.

Questions regarding the Clinical Master of Science Program should be directed to:

Frederick J. Goldstein, PhD
Director, Clinical Master of Science Program
Department of Biomedical Sciences
Philadelphia College of Osteopathic Medicine
4170 City Avenue, Philadelphia, PA 19131
fredg@pcom.edu

Continuing Medical Education

In order to maintain and expand the knowledge and skills of practicing osteopathic physicians, PCOM offers continuing medical education (CME) programs throughout the academic year. The college follows the guidelines of the AOA Committee on Continuing Medical Education and related criteria. Most of the programs are designed to qualify for AOA Category 1A CME credits. PCOM is also accredited by the Pennsylvania Medical Society to award Category 1 CME (AMA) credits leading to the Physician's Recognition Certificate of the Pennsylvania Medical Society.

The college offers programs in a wide variety of clinical subjects, osteopathic therapeutics, medical office management and other topics of importance to the practicing physician. The program includes short weekend seminars, extended programs, alumni travel-CME programs, and special intensive workshops.

All CME programs are organized under the auspices of the Department of Continuing Medical Education and are intended for physicians and other health professionals. At the discretion of the program director, persons other than physicians and health professionals may, upon application, be granted permission to attend CME programs.

Program announcements are mailed with the Pennsylvania Osteopathic Medical Association Newsletter. Requests for the CME course calendar published annually, for program information and fee/tuition schedules, inquiries should be addressed to:

Coordinator, Department of Continuing Medical Education
Philadelphia College of Osteopathic Medicine
4170 City Avenue, Philadelphia, PA 19131

The updated CME calendar is also available on PCOM's website at <http://www.pcom.edu>.

GRADUATE PROGRAMS

Clinical Psychology – Doctor of Psychology (PsyD)

PCOM's Psychology Department presents a practitioner-scholar program that prepares graduates for leadership roles in clinical psychology. The PsyD program is a multi-year curriculum designed for in-career professionals. The curriculum integrates the Department of Psychology is interdisciplinary core graduate courses, the competencies listed by the National Council of Schools of Professional Psychology and the core areas of the American Psychological Association, and the National Register. Successful completion of the program will allow the graduate to qualify for the Examination for Professional Practice of Psychology (EPPP) for licensure as a psychologist.

The PsyD program has 4 major components:

1. The sequence of courses, which includes at least three terms of practicum experience
2. Passing the three-part comprehensive examination,
3. Completing a dissertation or final project, and
4. Completing a clinical psychology internship. Successful completion of the course sequence and the comprehensive examination confers doctoral candidate status on the PsyD student, who may then proceed to the dissertation project and internship.

Upon completion of the comprehensive examination and admission to doctoral candidacy, students are awarded a Master of Science in Clinical Psychology.

The PsyD program is also offered by PCOM to Harrisburg-area students at the Dixon University Center and to students in northeastern Pennsylvania at East Stroudsburg University of PA through live lectures on-site, on campus experiences, and videoconference technology.

Clinical Health Psychology – Master of Science (MS)

Graduates of the Master of Science in Clinical Health Psychology program are prepared to provide evaluation, counseling and therapy services to clients in a variety of clinical settings with an emphasis on using psychological interventions in the treatment of medical problems. This 2-year, 48-credit program trains mental health care providers to work in primary care settings, collaborating with the primary care physician utilizing a biopsychosocial model. The MS curriculum, in conjunction with four CAGS courses is designed to fulfill the course requirements for the Pennsylvania Licensed Professional Counselor Examination.

Applicants to the MS program must have a bachelor's degree from an accredited institution.

Continuing Education in Psychology

Cognitive Behavior Therapy – Professional Psychology

Certificate of Advanced Graduate Studies (CAGS)

These programs provide graduate-level psychology and counseling courses to individuals seeking to respecialize in clinical psychology or meet credentialing requirements. There are two CAGS tracks offered: Cognitive Behavior Therapy and Professional Psychology. CAGS applicants must be at a master's level in psychology, social work, counseling, school psychology, pastoral counseling or a related area.

The Department of Psychology conducts the Certificate Series in Cognitive Behavior Therapy. Cognitive Behavior Therapy has become one of the most important models of psychotherapy. Based on its clinical efficacy, research-based, short term and solution-oriented focus, CBT has been applied to virtually every clinical population and setting.

Course Sequence:

- CBT I: Introduction to Cognitive Therapy
- CBT II: Clinical Applications of Cognitive Therapy
- CBT III: Clinical Supervision and Practice
- CBT IV: Special Topics in Cognitive Therapy

The full program spans 10 months with all seminars conducted on Saturdays at the City Avenue campus. The complete program totals 60 continuing education hours. Those interested in the CBT series should contact:

PCOM Department of Psychology
4190 City Avenue, Philadelphia, PA 19131
(215) 871-6442 fax (215) 871-6458

Biomedical Sciences – Certificate and Master of Science (MS)

The PCOM graduate program in Biomedical Sciences provides an opportunity for students with baccalaureate degrees to study the biomedical sciences as preparation for science careers or as preparation for professional study. The program presents a broad content base in the basic biomedical sciences with a strong emphasis on human medicine and clinical applications of the material. Both the certificate program and degree track provide course work in the major medical basic science subjects and share a core of foundation courses.

The certificate program is a one-year full-time curriculum designed for college graduates who are preparing for admission to medical and other health professions degree programs. It is expected that most students in the certificate track will enter professional study after one year of graduate work. Students with satisfactory first-year academic performance in the certificate program may apply their work to the degree track leading to the Master of Science in Biomedical Sciences.

The degree track may be taken part-time or full-time and is intended for those who wish to extend their knowledge of the biomedical sciences and engage in mentored biomedical research.

The degree track's upper level curriculum involves seminars and conduct of original research supervised by a member of the basic science faculty.

Physician Assistant Studies – Master of Science (MS in Health Science)

PCOM offers a full-time 24-month graduate-level program in physician assistant studies. The program provides a comprehensive didactic and laboratory year followed by a year of off-campus preceptorships in a rich variety of clinical areas. All students complete a research project as part of the program.

Many students progress to the graduate program via a partnership between PCOM and the University of Sciences in Philadelphia (USP). Students are accepted upon completion of high school to the 3-year pre-professional phase of the program, which leads to the B.S. in Health Sciences from USP. Students then progress to professional phase, leading to the Master of Science in health sciences from Philadelphia College of Osteopathic Medicine. The dual degree track is a five-year curriculum.

For students with baccalaureate degrees, a number of advanced standing seats are available each year for admission directly to the professional phase of the PA program.

Master of Science in Organizational Development and Leadership (MS)

Designed for the working professional, the Master of Science degree program in Organizational Development and Leadership prepares working professionals to use the theory, skills and techniques of organization building and leadership to become leaders in their field.

The 36-credit program is designed to incorporate psychological theory and research in teaching the basic skills and techniques of organizational leadership. The mission of the ODL program is to prepare leaders in the art and science of managing strategic change by teaching the competencies and skills sets for improving organization performance and realizing human potential. A key training focus of the program is the development of program evaluation methods and the creation and use of performance-based outcome measures. Coordinated by the Department of Psychology, the coursework is scheduled in evenings and on weekends.

Advanced Masters Degrees:

Master of Science in Forensic Medicine (MS) and

Master of Science in Emergency Medicine (MS)

The advanced masters degrees are intended for health professionals who

desire advanced knowledge, skills and credentialing in a specialized health area. The two degree tracks are Forensic Medicine and Emergency Medicine. Physician assistants, nurse practitioners, paramedics and other mid-level health professionals seeking a graduate degree can benefit from these programs, which are scheduled in evening and weekend sessions to accommodate the working professional. The forensic medicine program focuses on the emerging demand for medico-legal investigations by medical examiner staff and provides a foundation in forensic investigations and autopsy skills. The emergency medicine track provides advanced classroom and clinical training and the graduate degree credential for career advancement or preparation for entry into the emergency medical services field. These programs will be available in Fall 2002.

Synopsis of Curricula: 2001-2002

Doctor of Osteopathic Medicine

Credits in are expressed as credit units. 1 credit unit = 10 instructional hours.

First Year

Term 1

Course	Credit Units
Anatomy	19
Radiologic Anatomy	1
Cell and Tissue I	6
Osteopathic Primary Care Skills I	2
Osteopathic Principles and Practice I	3
Total Credit Units	31

Term 2

Course	Credit Units
Cell and Tissue II	22
Osteopathic Primary Care Skills II	1
Osteopathic Principles and Practice II	3
Total Credit Units	26

Term 3

Course	Credit Units
Cardiovascular Medicine	9
Pulmonary Medicine	9
Emergency Medicine I	1
Medical Law and Ethics	2
Primary Care Skills III	1
Osteopathic Principles and Practice III	3
Total Credit Units	25

Second Year

Term 1

Course	Credit Units
Urogenital Sciences	7
Hematology/Oncology	2
Gastroenterology	7
Obstetrics and Gynecology	8
Osteopathic Primary Care Skills IV	1
Osteopathic Principles and Practice IV	3
Total Credit Units	28

Term 2

Course	Credit Units
Neurosciences	
Neurology, Neurosurgery,	
Ophthalmology, Neuropathology	.12
Clinical Endocrinology	.3
Psychiatry and Neuropharmacology	.6
Radiology	.2
Osteopathic Primary Care Skills V	.1
Osteopathic Principles and Practice V	.3
Total Credit Units	.27

Term 3

Course	Credit Units
Rheumatology	.1
Surgery (orthopedics-general-plastic-ENT)	.4
Dermatology	.1
Pediatrics	.4
Public Health and Biostatistics	.3
Emergency Medicine II	.2
Clinical Geriatrics	.2
Elective	.2
Osteopathic Primary Care Skills VI	.1
Osteopathic Principles and Practice VI	.2
Total Credit Units	.22

Third and Fourth Year DO Program Clinical Clerkship Curriculum: Hours are expressed as instructional contact hours.

Third Year	Weeks	Contact Hours
Pediatrics	.4	.240
Cardiology	.4	.240
Elective	.8	.480
General Practice	.4	.240
Selective-Family Med/OMM	.4	.240
General Internal Medicine	.4	.240
Obstetrics & Gynecology	.4	.240
Psychiatry	.4	.240
Radiology	.4	.240
Surgery	.4	.240
Vacation	.4	
Fourth Year	Weeks	Contact Hours
Community Med. Selective	.4	.240
Elective	.12	.720
Emergency Medicine	.4	.240
Health Care Center		
Rural	.4	.480
Urban	.8	.480

	Weeks	Contact Hours
Internal Medicine	4	.240
Medicine Sub-internship	4	.240
Surgery Sub-internship	4	.240
Vacation	4	

Master of Science in Biomedical Sciences

Credits in the graduate program in Biomedical Sciences are expressed as semester hour units.

1 semester hour = 15 instructional hours.

First Year

Term 1

Immunology & Microbiology	3
Molecular Basis of Medicine	9

Term 2

Cell Structure and Pathology	4
Human Anatomy	6

Term 3

Neuroscience	3
Physiology	3
Pharmacology	3
Total Semester Hours	(completion of certificate program) 31

Term 4 (summer)

Biomedical Research I	3
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Second Year

Term 1

Biomedical Research II	5
Seminar	2

Term 2

Biomedical Research III	5
Seminar	2

Term 3

Biomedical Research IV	5
Seminar	2
Total Semester Hours	24

Doctor of Psychology (PsyD)	
Credits in the doctoral program in clinical psychology are expressed as credit units.	
1 credit unit = 10 instructional hours.	
First Year	
Term 1	
Psychology and Medicine	3
History and Systems	3
Term 2	
Comparative and Integrative Treatment	3
Life Span Psychology I	3
Term 3	
Physiological Basis of Behavior	3
Life Span Psychology II	3
Second Year	
Term 1	
Psychopathology	3
Assessment I - Intelligence	3
Social Psychology	3
Term 2	
Assessment II - Personality	3
Short Term Therapy	3
Cognitive/Affective Basis of Behavior	3
Term 3	
Assessment III - Educational/Vocational	3
Ethics in Psychology	2
Cultural Sensitivity	2
Doctor of Psychology - advanced courses	
Anxiety Disorders	3
Group Therapy	3
Therapy with Couples	3
Research III	3
Death and Dying	3
Practicum I	3
Research I	3
Research II	3
Affective Disorders	3
Child and Adolescent Psychotherapy	3
Clinical Neuropsychology	3
Pharmacology	3
Practicum II	2
Practicum Seminar	1

Personality Disorders	3
Substance Abuse/Eating Disorders	3
Biofeedback	3
Pain Management	3
Practicum III	2
Practicum Seminar	1
Organizational Psychology and Consultation	3
Supervision of Supervision I	3
Internship I	nc
Internship Seminar	nc
Dissertation Seminar	1
Hypnosis	3
Supervision of Supervision II	3
Internship II	nc
Internship Seminar	nc
Dissertation Seminar	2
Special Topics	3
Issues in Managed Care	3
Internship III	nc
Internship Seminar	nc
Dissertation Seminar	1

Master of Science in Clinical Health Psychology

Credits in the MS in Clinical Health Psychology are expressed as semester hour units.

1 semester hour = 15 instructional hours.

First Year

Theories of Personality	3
Clinical Assessment	3
Developmental Psychology	3
Behavioral Change in Health Psychology	3
Foundations of Psychotherapy	3
Tests and Measurements	3
Psychopathology	3
Social Psychology and Multicultural Competence	3
Professional, Legal and Ethic Issues	3
Group Therapy	3
Total Semester Hours	30

Second Year

Physiology, Health and Psychology	3
Program Evaluation, Research Methods and Statistics	3
Health Psychology: Integrating Seminar	3
Practicum I	3
Practicum II	3
Practicum III	3
Total Semester Hours	18

Master of Science – Physician Assistant Studies

Credits are expressed as credit units.

1 credit unit = 10 instructional hours.

First Year

Term 1

History Taking and Physical Examination	12
Human Physiology	4
PA Role and History	2
Health Education and Promotion	2
	20

Term 2

Clinical Medicine I	10
Pathology I	2
Pharmacology I	2
Human Gross Anatomy	6
Community Health Service I	2
	22

Term 3

Clinical Medicine II	10
Pathology II	2
Pharmacology II	2
Radiology for the Physician Assistant	4
Health Care Ethics and Law	2
Principles & Practices of Health Care Management	1
Community Health Service II	2
Research Design and Methodology	2
	25

Master of Science – Physician Assistant Studies (continued)

Term 4 (summer)

Clinical Medicine III	10
Pathology III	2
Pharmacology III	2
Medical Nutrition	2
Behavioral Medicine and Psychiatry	3
	19

Second Year

Internal Medicine Preceptorship	8
Family Medicine Preceptorship	8
Emergency Medicine Preceptorship	8
Ob/Gyn Preceptorship	8
General Surgery Preceptorship	8
Behavioral Medicine Preceptorship	8
Pediatrics Preceptorship	8
Elective Preceptorship	6
Research Practicum	3
Comprehensive Review	6
	71

Master of Science in Organizational Development and Leadership

Credits are expressed as credit units.

1 credit unit = 10 instructional hours.

Foundations and Systems of Organizational Development 3
Decision Making and Problem Solving 3
Psychological Development Applied to the Organization 3
Social Factors and Cultural Diversity 3
Behavioral Interviewing, Coaching and Consulting 3
Leadership Ethics 3
Leadership Theory and Practitioner Models 3
Strategic Planning and Crisis Management 3
Personal and Professional Development 3
Research Methods I: Behavioral and Action Research 3
Research Methods II: Implementing Change 3
Small Systems Diagnosis and Change 3
Large Systems Diagnosis and Change 3

ADMISSIONS POLICIES AND PROCEDURES:

Doctor of Osteopathic Medicine (DO)

Admission to Philadelphia College of Osteopathic Medicine is competitive and selective. Acceptance by the Faculty Committee on Admissions is based on the applicant’s fulfillment of undergraduate course requirements, grade point average (GPA), Medical College Admission Test (MCAT) scores and a personal interview with the committee.

We seek well-rounded, achievement-oriented persons whose character, maturity and sense of dedication point to a productive life as an osteopathic physician. We are an institution that has historically sought diversity in our student population. We actively recruit under-represented minority students and non-traditional students who often offer exceptional potential for becoming outstanding physicians.

Requirements for Admission

Prior to matriculation, each applicant must meet the following PCOM admission requirements.

1. Satisfactory completion of a bachelor’s degree from a regionally accredited college or university are necessary. Applications from students with three years of exceptional undergraduate work completed will be considered.
2. The satisfactory completion of these specific undergraduate semester hours must be demonstrated by the applicant.
 - Eight semester hours each, including two semester hours of laboratory: general chemistry, organic chemistry, biology and physics.
 - Six semester hours of English composition and literature.
3. Each applicant must sit for the Medical College Admission Test, which is given in April and August each year. Prospective students are urged

to take the test in April of the third year, and certainly not later than August of the year prior to desired matriculation.

Application Steps and Schedule

All inquiries about admission to the DO program should be directed to PCOM's Associate Dean of Admissions and Enrollment Management. PCOM participates in the centralized application service for the colleges of osteopathic medicine, AACOMAS.

1. Beginning in May, prospective osteopathic medical students may submit their application through a secure web server, AACOMAS-On-Line, at www.aacom.org. Applicants may still submit a paper application which may be downloaded and printed from the website or requested by calling (301-968-4190). The AACOMAS application should be completed and accompanied by the required fee. The application will be processed once all official transcripts and MCAT scores are received by AACOMAS and will be forwarded to PCOM.
2. When PCOM receives the processed application, a supplemental application will be sent to you. This must be completed and returned along with a fee of \$50.00.
3. A letter of recommendation should be sent to PCOM from the pre-medical committee, pre-medical advisor, or the dean of the college granting the undergraduate degree. A letter from an individual professor or major advisor will not satisfy this requirement.
4. Another letter of recommendation, preferably from an osteopathic physician, is suggested but not required.
5. All applications to AACOMAS must be submitted no later than February 1 of the year of desired matriculation. PCOM supplemental applications and supporting credentials must be postmarked by March 1. However, early application and fulfillment of credential requirements are strongly recommended.

Interviews

PCOM's Faculty Committee on Admissions will review all completed applications, select those applicants to be interviewed and inform them in writing of the interview date, time and place. Although all applicants who are eventually accepted must be interviewed, the granting of an interview should not be construed as evidence of final acceptance.

Interviews begin in September and continue through April. Most interview sessions are conducted in the morning. Applicants are invited to breakfast with a member of faculty or administration. During the course of the morning, applicants have an opportunity to meet with a representative of the Office of Student Financial Aid, sit in on classes, and have a tour of the campus. PCOM conducts a panel interview that includes the applicant, an osteopathic physician and another member of the Committee and lasts about one half hour.

Admissions Decision

Interviewed candidates are usually notified within one month from the date of interview. Accepted applicants are asked to send a \$250. non-

refundable tuition prepayment according to the following schedule:

- those accepted prior to November 15 will have until December 14
- those accepted between November 15 and January 14 will have 30 days
- those accepted between January 14 and June 14 will have 14 days
- those accepted on or after June 15 may be asked for an immediate deposit.

Accepted candidates are asked to review and acknowledge PCOM's Technical Standards for Admission and Matriculation.

PCOM does not have an Early Decision Program.

During the summer months, when the admissions process is complete, candidates who are not accepted may request in writing information about their application, or make an appointment with an admission counselor.

Transfer Students

PCOM does not routinely accept transfer students; however, a transfer application may be considered under extenuating circumstances and depending on places available in the class.

Consideration will be given only to a student who is in good standing at an AOA accredited college of osteopathic medicine or who is eligible for readmission to the previously attended college of osteopathic medicine.

The initial request for transfer must originate from the Dean of the college from which the student wishes to transfer and must be directed to the Dean of PCOM. Application materials must be submitted and a formal interview with the Faculty Committee on Admissions will be required.

If accepted, a transfer student will be given credit for courses successfully passed at the previous college and which meet PCOM's curriculum requirements. A minimum of two years must be completed at PCOM for a student to be eligible to receive the DO degree

ADMISSION TO GRADUATE PROGRAMS

Psychology

Doctor of Psychology in Clinical Psychology (PsyD)

The applicant to the PsyD program must have completed a master's degree in psychology, social work, psychiatric/mental health nursing, counseling, school psychology, family therapy or pastoral counseling, from a regionally accredited institution, with a B average or better. Master's degree programs in other specialty areas will be considered on a case-by-case basis.

In order to ensure that program courses be taught at the highest possible level, applicants must have completed the following courses prior to admission:

- Statistics/Research
- Abnormal Psychology or Psychopathology
- Theories of Personality
- Developmental Psychology

The Department of Psychology adheres to the following information in

making decisions concerning admission to the PsyD program:

- 1) Application, including autobiographical statement
- 2) Official transcripts of undergraduate and graduate work
- 3) Miller Analogies Test (MAT) scores
- 4) Personal and professional qualities as represented by:
 - Three (3) completed reference forms with accompanying letters of recommendation
 - Personal interview
 - Writing sample, which may be requested at the time of the interview

All materials must be forwarded to PCOM's Office of Admissions. The Department of Psychology uses a rolling admissions policy. Therefore, applications will be considered throughout the year as received, however, classes begin in the fall. The Admissions Committee screens the applications, invites some applicants for an interview and writing sample, evaluates the applicants and selects the new students. Following the completion of the admissions process, each applicant is notified of the Admission Committee's decision in writing, including any conditions, which must be satisfied prior to or following enrollment.

Master of Science in Clinical Health Psychology (MS)

The applicant to the Master of Science in Clinical Health Psychology program must have completed a bachelor's degree in psychology, social work, psychiatric/mental health nursing, counseling, family therapy, or pastoral counseling from a regionally accredited college and university with a B average or better. Bachelor's degrees in other specialty areas will be considered on a case-by-case basis.

In order to ensure that program courses are taught at the highest possible level, applicants must have completed, prior to admission, at a bachelor's level or above, the following courses:

- Research/Statistics
- Abnormal Psychology/Psychopathology
- Theories of Personality

The Department of Psychology adheres to the following information in making decisions concerning admission to the MS in Clinical Health Psychology program:

1. Application, including autobiographical statement
2. Official transcripts of undergraduate and graduate work
3. Miller Analogies Test (MAT) scores
4. Personal and professional qualities represented by:
 - Three (3) completed reference forms with accompanying letters of recommendation
 - Personal interview (at option of the Admissions Committee)
 - Writing sample, which may be requested at the time of the interview

All materials must be forwarded to PCOM's Office of Admissions. The Department of Psychology uses a rolling admissions policy. Therefore, applications will be considered throughout the year as received, however, classes begin in the fall. The Admissions Committee reserves the right to

accept or reject applications to the program based on merit. Students will be accepted into the program until a class size of approximately 25 students is reached. Once a file is complete, a personal interview may be arranged for qualified candidates. Following completion of the admissions process, each applicant is notified of the Admissions Committee's decision in writing, including any conditions that must be satisfied prior to or following enrollment.

Master of Science in Organizational Development and Leadership (MS)

The applicant to the Master of Science in Organizational Development and Leadership must have a bachelor's degree from a regionally accredited college or university.

The Department of Psychology adheres to the following information in making decisions concerning admission to the MS in Organizational Development and Leadership:

1. Application, including an autobiographical statement
2. Official transcripts of undergraduate and graduate work
3. Personal and professional qualities as represented by:
 - a. One letter of recommendation
 - b. Personal interview (at option of the Admissions Committee)
 - c. Writing sample, which may be requested at time of interview

All materials must be forwarded to PCOM's Office of Admissions. The Department of Psychology uses a rolling admissions policy. Therefore applications will be considered throughout the year as received. Students may apply to any term they wish. The Admissions Committee reserves the right to accept or reject applications to the program based on merit. Once a file is complete, a personal interview may be arranged for qualified applicants. Following the completion of the admissions process, each applicant is notified of the Admissions Committee's decision in writing, including any conditions that must be satisfied prior to or following enrollment.

Certificate of Advanced Graduate Studies Program (CAGS)

The applicant to the Certificate of Advanced Graduate Studies Program must have completed a master's degree in psychology, social work, creative arts therapy, counseling, school psychology, marriage/family therapy or pastoral counseling from a regionally accredited college or university with a B average or better. Master's degrees in other specialty areas will be considered on a case-by-case basis.

The Department of Psychology adheres to the following information in making decisions concerning the CAGS program:

1. Application, including autobiographical statement
2. Official transcripts of undergraduate and graduate work

All materials must be forwarded to PCOM's Office of Admissions. The Department of Psychology uses a rolling admissions policy. Therefore applications will be considered throughout the year as received. Students may apply to any term they wish. Once a file is complete, a personal interview may be arranged for qualified applicants. Following the completion of the admissions process, each applicant is notified of the

Admissions Committee's decision in writing, including any conditions that must be satisfied prior to or following enrollment.

Physician Assistant Studies

Master of Science in Health Science (MS)

Admission to the Master of Science (professional phase) program for Physician Assistant Studies is very competitive. Successful applicants will generally exceed the minimum criteria listed below. At the time of application, candidates must have the prerequisites completed, or be able to furnish a plan in writing that demonstrates completion prior to enrollment. All science and math prerequisites must have been completed within the last 10 years.

The Department of Physician Assistant Studies requires that applicants for admission to the professional phase meet the following requirements:

1. A minimum of five (5) semesters of Biology, 2 semesters of which must include a laboratory:
 - a. General Biology I and II (8 semester credit hours) which must include a laboratory
 - b. Human Anatomy and Human Physiology or a two semester combined Human Anatomy and Physiology course sequence
 - c. One semester either of Microbiology, Bacteriology, Genetics, Cell Physiology, Virology, Immunology or Biotechnology
2. A minimum of three (3) semester hours of Chemistry, at least two (2) semesters of which must include a laboratory. These courses must, at minimum, include the following:
 - a. One semester of General Inorganic Chemistry intended as a course for chemistry and/or biology majors. Students generally take a two-semester sequence.
 - b. One or two semesters of Organic Chemistry intended as a course for chemistry and/or biology majors. Students generally take a two-semester sequence.
 - c. One semester of Biochemistry or Analytical Chemistry
3. Obtain a cumulative grade point average of 2.80 or higher on a 4.00 scale.
4. Document 500 hours of experience in volunteer or employment related to the health care industry.
5. Complete a baccalaureate degree in science or a health related profession from a regionally accredited college or university in the United States
6. Take and submit test scores from the Graduate Record Examination (Verbal, Quantitative and Analytical).
7. Submit three (3) letters of reference, one from a physician or physician assistant familiar with your general characteristics.
8. Selected applicants may be invited for an interview to ascertain the applicant's awareness of the PA dependent role with physicians, motivation for pursuing a PA career, interpersonal and communication skills, problem solving abilities, and a dedication to serving the needs of the under served. Performance in the interview will be strongly considered in the admission process.

The PA Program participates in the Centralized Application Service for Physician Assistant Programs (CASPA). CASPA is a web-based application service that allows applicants to apply on-line. To access the CASPA website, log on to www.caspaonline.org.

Master of Science in Forensic Medicine (MS)

The Department of Physician Assistant Studies welcomes applications to the Master of Science in Forensic Medicine from PA's, NP's, EMT-Paramedics, Law Enforcement Officers, Coroners, DO's and MD's. Applicants must meet the following requirements:

1. Bachelor of Science degree from a regionally accredited college or university in the United States with a cumulative grade point average of 2.50 or higher on a 4.00 scale
2. Official transcripts of undergraduate and graduate work
3. Documentation of a minimum of two years of professional experience in health care, forensic medicine and/or law enforcement
4. One letter of reference
5. One page narrative explaining interest in forensic medicine
6. Current professional, state or federal license, certificate or registration document

All materials must be forwarded to PCOM's Office of Admissions.

Master of Science in Emergency Medicine

The Department of Physician Assistant Studies welcomes applications to the Master of Science in Emergency Medicine from PA's. Applicants must meet the following requirements:

1. Bachelor of Science degree from a regionally accredited college or university in the United States with a cumulative grade point average of 2.50 or higher on a 4.00 scale
2. Official transcripts of undergraduate and graduate work
3. Documentation of a minimum of two years of professional experience in health care
4. One letter of reference
5. One page narrative explaining interest in emergency medicine
6. Current professional, state or federal license, certificate or registration document

All materials must be forwarded to PCOM's Office of Admissions.

Biomedical Science

Master of Science in Biomedical Sciences (MS)

Applicants for admission to the graduate program in Biomedical Sciences must meet the following requirements:

1. Receive a bachelor's degree from a regionally accredited college or university
2. Complete all undergraduate pre-professional science requirements
3. Show evidence of commitment to a career in the health professions and potential for admission to professional school
4. Take one of the following standardized tests: MCAT, DAT, OCAT or GRE.

The following materials must be submitted for admission consideration:

1. A completed application form
2. Official transcripts of undergraduate and graduate work
3. Official reports of standardized test scores
4. One letter of recommendation from the pre-professional advisor/committee or a faculty member of the applicant's undergraduate institution
5. A personal interview is not required.

The admissions process to the Master of Science in Biomedical Sciences is not related in any way to the admissions process to the Doctor of Osteopathic Medicine program.

All materials must be forwarded to PCOM's Office of Admissions. Applications are available in January. Deadline for receipt of all materials is July 15 of the year of desired matriculation. It is the applicant's responsibility to be certain that all materials are on file. The application will be reviewed when all information is complete.

To request an application or additional information about any of the graduate programs, please contact:

Office of Admissions
Philadelphia College of Osteopathic Medicine
4170 City Avenue
Philadelphia, PA 19131
(800) 999-6998
(215) 871-6719 FAX

Policy of Fairness and Equal Opportunity

Philadelphia College of Osteopathic Medicine subscribes to the principles and laws of the Commonwealth of Pennsylvania and the federal government pertaining to civil rights and equal opportunity, including Title IX of the 1972 Education Amendments and Section 504 of the Rehabilitation Act of 1973.

PCOM policy prohibits discrimination on the basis of age, race, color, national or ethnic origin, sex, sexual preference, religion, disability or marital status. This policy applies in recruitment and admission of students, employment of faculty and staff, and scholarship and loan programs. This policy is also followed in the operation of all other programs, activities and services of the college.

Evidence of practices inconsistent with this policy should be reported to the Director of Human Resources, who is the designated coordinator of PCOM's non-discrimination program. Inquiries regarding compliance with the sex discrimination provisions of Title IX may also be directed to the Assistant Secretary for Civil Rights, Department of Education, Washington, D.C. At the state level, one can contact the State Human Relations Commission, Harrisburg, PA.

Student Life and Recreation

PCOM students show great enthusiasm for the activities of the college community and personal friendships. Others find the spirit on the campus extraordinary, and our students think that collegiality is the obvious way to

make academic life, professional pursuits and human relationships most enjoyable. The college prides itself on the diversity of the students accepted to PCOM. The top three college majors among our students are biology, chemistry and psychology. Also significantly represented are majors in mathematics, engineering, nursing, business and religion. Some are coming to the health professions after careers in other fields, and still others have a background in another allied health profession. Student life is viewed by the college as essential to college morale and academic achievement as well as a critical element in developing the leadership and human understanding integral to the role of a well-rounded health professional or scientist.

Student Government Association

Comprised of elected representatives from each class and professional degree program, the council directs student activities and speaks for students to the college administration. The president is elected by the student body, regular meetings are held, and the SGA publishes its own newsletter. Students are respected and involved in college governance, serving on every major college committee and working with faculty to evaluate every course they take. SGA was instrumental in the creation of a Faculty Advisor program and Student Ethics Board. SGA is active in sponsoring co-curricular clubs and activities, such as PCOM student participation in the President's Summit on America's Future, and has pledged an ongoing commitment to community service. Annual health fairs at local elementary and high schools each involve more than 100 students. The college also sponsors a Boy Scout Explorer Post that meets on the PCOM campus. Students mentor Philadelphia youth and have "adopted" local schools.

Professional and Social Societies

Professional interests are expressed through groups like the Student Osteopathic Medical Association. Also organized are chapters of the American Academy of Osteopathy, the American College of Family Practitioners, and the American Osteopathic Academy of Sports Medicine, to name only a few.

Professional and Social Societies (continued)

The Pediatrics, Geriatrics, Surgery, Emergency Medicine, and OB/GYN Clubs, the Student National Medical Association and Physicians for Social Responsibility are very active clubs. Our fraternities include Phi Sigma Gamma and Lambda Omicron Gamma. New clubs are easy to organize, with the recent addition of a Dermatology Club, Psychology Club, Physician Assistant Club, student research groups, a chapter of the American Medical Women's Association, Sigma Sigma Phi honor and service society. Students even conduct an informal evening class which teaches basic medical Spanish.

Minority Affairs

In keeping with PCOM's sensitivity to minority concerns and commitment to increased minority enrollment, we have an active chapter of

the Student National Medical Association. The college organizes conferences for minority undergraduate students, and an awards dinner honoring the contributions of minority physicians is held each spring. In addition, many minority and disadvantaged students avail themselves of the Summerstart program, a summer academic reinforcement program for accepted students. Two Ethel Allen Memorial Scholarships are awarded annually to first-year minority women students. A physician was also added to the student affairs staff to serve as cross-cultural liaison and minority mentor. The College annually nominates a third-year African American student for recognition by a regional organization of minority physicians.

Athletic Programs

PCOM affords its students fitness and sports opportunities by providing a well-maintained playing field on campus encircled by a running track, and also a Student Activity Center, featuring an NBA-level basketball court. The college fields teams in men and women's rugby, soccer and volleyball which compete in regional professional school leagues. Competition in intramural volleyball, softball, basketball, floor hockey and roller hockey can also become fierce throughout the year. Organized classes in aerobics, kickboxing, Tai Chi, yoga, nutrition and spinning are also well attended, by students and staff alike.

The Student Activity Center also houses a well-equipped fitness center, weight training room, stationary bikes, aerobics studio, racquetball/squash courts, and a game room. For part of the year, the NBA Philadelphia 76ers share our facility for training purposes and work out side-by-side with members of our community.

Health service and Insurance

The PCOM student health nurse maintains student health records. PCOM's medical practices are available to students for urgent, emergent or routine health care, but students are advised that routine and preventive health care would be best addressed by having a personal primary care physician. Care through the PCOM medical practices, as well as special consultations, lab work or diagnostic testing are submitted to the student's health insurance for consideration for payment. Charges that exceed the payment made by the insurance, or denied payment, are left to the discretion of the individual provider for collection.

Students are required to subscribe to PCOM's Independence Blue Cross/Blue Shield Personal Choice PPO, or to provide proof of coverage by comparable insurance of their own choice and purchase. Insurance coverage for the student's spouse and dependent children (under age 19) is also available through the college group at the student's expense. Dental HMO coverage is available for students on a voluntary basis. Open enrollment for the dental HMO occurs during only one month of the year. There is also a limited open enrollment period for Personal Choice; only if a student loses outside coverage due to a "life event" may Personal Choice be added at a later time.

Student Housing

The college does not provide student housing on or off campus. However, the Office of Student Affairs serves as an informal resource by maintaining an extensive file of available rental apartments and rooms in the area. The listings are maintained in a binder and cannot be published for distribution but may be used personally anytime during office hours. The college does not involve itself in students' lease arrangements or student-landlord disputes and does not screen housing listings for accuracy.

Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act of 1974 (FERPA) places certain limitations on the disclosure of personally identifiable student information maintained by colleges, limits access to academic records, and gives students certain rights with regard to their educational records.

Students have the right of access to their educational records, the right to obtain copies (25 cents per photocopy page), the right to seek correction of such records through informal and formal internal procedures, and the right to place a statement in such records explaining any information that the student believes to be inaccurate or misleading.

PCOM has adopted a policy on educational records consistent with the requirements of FERPA and the regulations issued under it. A copy of this policy may be obtained from the Registrar.

The college judges certain data to be "directory information" as defined by FERPA and subject to disclosure without prior consent of the student. Unless the student files a written objection with the Registrar, the college will treat the following as directory information: the student's name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, and the names of the undergraduate and/or graduate schools attended. Objection to the disclosure of such information must be made in writing, signed by the student, and mailed to the Office of Admissions and Registrar within 20 days of the date on the relevant notice sent with the PCOM summer mailing.

An official signed and sealed copy of a permanent PCOM transcript will be sent directly to another educational institution, hospital or government agency upon written request by the student or graduate. Only unofficial copies of a transcript will be issued personally to a student or graduate.

Complaints regarding alleged violations of rights accorded students by FERPA and its regulations may be directed in writing to the Family Educational Rights and Privacy Act Office, Department of Education, Room 4511, Switzer Building, 400 Maryland Avenue, S.W., Washington, D.C. 20202.

Statement on Substance Abuse

The college recognizes the importance of assisting students in their development of a lifestyle free from the use of illegal substances and the abuse of alcohol. The college disciplinary policy provides actions including permanent dismissal of students who engage in alcohol abuse and the use, sale or distribution of illegal substances. The Dean may require

psychological assessment or toxicological (urine) testing of any student suspected of substance abuse. As a means of preventing an impairment from progressing to the stage at which disciplinary action is necessary, the Student Assistance Board serves as a means by which students can seek confidential early assistance with an impairment. This student-faculty group serves an advocacy role, and develops recovery programs, subsidized by the college, which enable students to continue their medical education while receiving needed treatment. The Student Assistance Board also investigates reports by concerned individuals and offers an alternative to the disciplinary process for students with a detected impairment.

Upon enrollment, all students are provided with a detailed copy of the substance abuse policy, including a statement of health risks associated with alcohol and drug use. Also, details of the legal sanctions under applicable federal, state, and local alcohol and drug laws, the Pennsylvania vehicle code and the Pharmacy Act are available in the offices of the Dean or Student Affairs.

College Tuition and Fees	
Tuition Schedule	2000-2001
	2001-2002

Tuition is kept as low as possible given increasing costs and declining governmental support for medical and graduate education. The Board of Trustees established the following tuition for the 2000-01 and 2001-02 academic years. Tuition is payable on the first day of each term. Tuition and fees are subject to change at any time at the discretion of the Board of Trustees. Fees are neither returnable nor transferable. Each medical and graduate student is charged an annual comprehensive fee of \$175 and a \$75 student health fee, due on registration day.

Each candidate for a medical or graduate degree must pay a graduation fee of \$250. These fees charged each member of the graduating class are due on the first day of their final academic term or upon recommendation for a graduate degree by their graduate faculty.

Doctor of Osteopathic Medicine (DO)

Tuition for the 2001-02 academic year is \$25,699 (2000-01: \$24,475) for all DO program students.

Upon notification of acceptance as a student, an advance payment of \$500 is required to reserve a place in the first-year class. This advance payment will be deducted from the tuition payment due on registration day, but is not refundable in case of withdrawal.

Health insurance rates are available from the Office of Student Affairs.

Doctoral Program in Clinical Psychology (PsyD)

Tuition and fees: \$617 per credit (2000-01: \$588 per credit). First year graduate students will register for approximately six credits each term. Students are charged the comprehensive fee and student health fee as described above.

Masters Degree Program in Clinical Psychology (MS)

Tuition and Fees: \$441 per credit (2000-01: \$420 per credit). First year graduate students will register for approximately nine credits each term. Students are charged the comprehensive fee and student health fee as described above.

Graduate Program in Biomedical Science (Certificate and MS)

Tuition and fees for 2001-02 are \$13,500 per year, or \$4,500 per academic term (2000-01: \$12,855 or \$4,285 per term). Students are charged the comprehensive fee and student health fee as described above.

Master's Degree Program in Physician Assistant Studies (MS)

Tuition and fees for 2001-02 are \$18,165 per year, or \$4,541 per each of four academic terms. (2000-01: \$17,300 or \$4,325 per term). Students are charged the comprehensive fee and student health fee as described above.

Late Payment

It is the policy of the college that the payment of tuition and fees is due in full at each billing cycle as published in the college calendar. All students who expect to take loans to meet their obligations must show proof of pending loans sufficient to meet the payment of tuition and fees on the due date.

If tuition is not paid in full on that day, or if proof of adequate pending loans is not furnished, a late fee of \$50 per month plus an interest charge of prime +2% will be assessed on the outstanding balance until such time as all obligations are met. A check which is not honored by the bank on which it was drawn will be subject to a \$50 fee.

Students with outstanding balances from previous terms will not be permitted to register for the next term until all financial obligations are met either by payment in full or by proof of adequate pending loans. If a student is unable to meet his or her outstanding balances, the student will be granted an Administrative Leave of Absence to rectify his or her credit situation.

All prior year balances must be satisfied before a student is permitted to start a new academic year. Balances remaining unpaid at the end of the fourth year will prevent a student from receiving his or her diploma.

In the event that a student receives and accepts a late admission to the first year of study, an exception to the above policy will be considered if the appropriate loan applications are filed immediately in the expectation of making full tuition payment by the end of the first term. This exception is for the first term of the first year only. Any other exceptions to this policy must be discussed with the Director of Financial Operations.

Tuition Refund Policy

If a student withdraws from the college due to illness or other physical disability within 60 days of making a tuition payment, a pro-rata refund may be authorized at the Dean's discretion. The student must file with the Dean Office a written notification of intent to withdraw, supported by a physician's

statement of the student's health condition. No tuition or fee monies already paid will be refunded in case of a dishonorable dismissal or in the event of a student's dismissal or withdrawal due to poor scholarship.

If a student chooses to withdraw for any other reason, or is granted a leave of absence during either the first or second payment period of the academic year, a tuition refund may be authorized. The effective date of withdrawal is the date on which the student filed with the Dean a written notification of withdrawal or request for a leave of absence. The allowable amount of refundable tuition is as follows:

A withdrawal within:	Percent of Refund
One week after tuition payment	75%
Second through fourth week after payment	50%
Fifth week after payment and thereafter	0

No fee or portion of a fee is refundable in case of a student's unauthorized withdrawal or leave of absence.

The refund policy is subject to change at the discretion of the Board of Trustees, but in no instance will such a change become retroactive.

Financial Aid

PCOM students are bright, ambitious, and determined to succeed academically, however many need financial assistance to meet their educational expenses. The staff of the Student Financial Aid Office is committed to providing the necessary information and guidance to assist students to meet their financial needs. Upon acceptance, it is strongly advised that each new student contact the Student Financial Aid Office as soon as possible in order to obtain the maximum aid available. At the time of registration, proof of pending financial aid must be presented in lieu of that portion of the tuition and fee payment.

To apply for financial assistance at PCOM, students must complete the Free Application for Federal Student Aid (FAFSA). This form is used to apply for federal student aid, including grants, loans, and federal work-study. In addition, it is used to award need-based institutional funds, as well as many private grants and scholarships. Listed below are The Financial Aid Programs administered by the Student Financial Aid Office at PCOM.

Loans

Subsidized Federal Stafford Loans

These loans are awarded on the basis of need. Interest does not accrue before you begin repayment or during authorized periods of deferment. The federal government "subsidizes" the interest during these periods. The maximum annual award is \$8,500 for graduate and medical students. The aggregate maximum is \$65,500, including undergraduate loans.

Unsubsidized Federal Stafford Loans

These loans are not awarded on the basis of need. Interest begins to accrue from the time that the loan is disbursed until it is paid in full. If you allow the interest to accumulate, it will be capitalized - that is added to the principal amount of your loan. The maximum annual award is \$10,000 for graduate students and \$30,000 for medical students. Medical students

enrolled in a program that extends during a consecutive 12-month period are eligible to borrow up to \$36,667 in Unsubsidized Stafford Loan funds. The total outstanding debt you can have from all Stafford Loans is \$138,500 for graduate students and \$189,125 for medical students. Only \$65,500 of either amount may be in subsidized Stafford loan funds. These debt limits include any Stafford Loans received for undergraduate study.

Federal Perkins Loan

This is a federally guaranteed low interest (5%) loan administered by PCOM. It is available to graduate students with exceptional financial need. Interest is deferred while you are in school on at least a half-time basis and during grace periods. Repayment arrangements for the Perkins Loan are made with PCOM's Financial Operations Department.

Alumni Association Loan

The Alumni Association of PCOM makes a number of low-interest rate loans available to 3rd and 4th year medical students in good academic standing who demonstrate financial need. The interest rate is 6% and repayment begins one year after graduation. Repayment can be deferred during internship and residency.

Primary Care Loan

This is a low cost federal loan program for medical students who are committed to primary healthcare medicine and who demonstrate exceptional financial need. Priority is given to 3rd and 4th year medical students. The loan amount varies depending on the availability of funds, but does not exceed the annual cost of tuition and fees. The interest rate is 5% and begins to accrue following a 12-month grace period after you cease to be a full-time student. Repayment can be deferred during internship and residency. To be considered for the Primary Care Loan, you must include parental income information on the FAFSA and have an interview with a staff member of the Student Financial Aid Office.

Scholarships and Grants

Institutional Scholarships and Grants

Institutional scholarship and grant funds are made possible through contributions made to the PCOM Foundation by sponsors who take pride in helping students meet their financial obligations. Scholarships and grants are a gift and do not have to be repaid. Recipients are selected in the spring term and the award is applied to tuition for the following fall term. To be given consideration for PCOM scholarships and grants a complete financial aid file is required.

- The Student Aid Committee awards grants on the basis of financial need and availability of funds. No applications are necessary, however, students are required to provide parental information on the FAFSA in order to be given consideration.
- The Faculty Committee on Honors and Awards offers scholarships that are based on financial need and/or other criteria. When financial need is a requirement, parental data must be provided on the FAFSA.

National Health Service Corps

This is a competitive federal program that awards service obligated scholarships to medical and PA students pursuing primary healthcare training. The scholarship consists of payment for tuition and required fees, other reasonable costs and a monthly stipend. In return, for each year or partial year of scholarship support, the student incurs one year of service commitment in a Health Professional Shortage Area.

Armed Forces Scholarships

The Army, Navy, and Air Force offer competitive scholarships based on academic performance and recommendations. The scholarship provides a monthly stipend, tuition and fees, books and instruments. In return for the scholarship, recipients are obligated to give one year of service for each year of support.

Numerous private, city and state agencies sponsor scholarship programs for graduate and medical students. Please refer to "PCOM's 2002-2003 Guide to Financing Your Education" for a description of the financial aid process and a detailed listing of federal, institutional and private sources of grants, scholarships and loans.

Student Employment

Graduate and Professional training is quite rigorous, and student employment during the academic year should be undertaken only when absolutely necessary. PCOM participates in the Federal Work-Study Program. Students who are accepted for enrollment, and can demonstrate financial need as determined by the Free Application for Federal Student Aid (FAFSA) needs analysis, are eligible to participate after successful completion of two terms of coursework.

Work-study recipients are permitted a maximum of 15 hours employment per week during the college year. During vacations, 35 hour per week work-study jobs are available to qualifying students. Applications may be obtained in the Office of Student Affairs. As specified in the provisions of the Pennsylvania Unemployment Compensation Law, employment of students will not be covered by any program of unemployment compensation.

Depending on the availability of funding, a few students may also be employed in research positions. These positions are not dependent on the FAFSA needs analysis; consequently they are a welcome resource to students whose budgeted financial need has been met from other sources, but who have a serious interest in pursuing research. This program is also administered through the Office of Student Affairs. In addition, college departments and/or physician's practices may employ students or their spouses on an individual basis. Arrangements for these positions are made directly through the student and the employer and are independent of the College Work-Study Program.

EDUCATIONAL FACILITIES AND RESOURCES

The professional resources of a city rich in medical history, achievements and scientific advances are only 15 minutes from the main PCOM campus

on City Avenue. This is the seventh site of a college that graduated its first class of two physicians in 1900. PCOM has grown steadily to become the hub of an educational/health-care complex. The recently redesigned City Avenue site provides a true college campus atmosphere for students, unique among urban medical colleges. All facilities are specially equipped for students with disabilities.

College Building – Evans Hall

Medical and graduate students receive hundreds of instructional hours in the two amphitheaters in Evans Hall that accommodate 250 and 235 students respectively. The building was dedicated in 1973 in honor of H. Walter Evans, DO, distinguished professor of obstetrics and gynecology. Both lecture halls have superb audiovisual capabilities, including video, laserdisk and computer presentation equipment, and the teaching system can link to internet/www resources. One amphitheater is equipped for full two-way videoconference broadcasts

The seven levels of Evans Hall also house the college library, Office of the Dean, Student Affairs, Admissions/Registrar, and Clinical Education. Faculty offices throughout the building are combined with laboratories where faculty, graduates and students pursue instruction and research. The Anatomy Laboratory, which accommodates 250 students simultaneously in cadaver dissection lab, is recognized as one of the most advanced teaching laboratories in the nation. A five-station Clinical Learning Lab on the first floor supports PCOM's innovative Standardized Patient teaching program.

The architecture of Evans Hall incorporates the teaching of large classes with the enrichment of teacher-student relationships through the use of small classrooms. Evans Hall is equipped with varied and sophisticated instructional media, exhibit areas, and electronic communications equipment. The ground level has a television studio and control booths for the production of instructional video programs. Video monitors are built into the lecture amphitheaters, laboratories and many other teaching areas in the building.

In late 1996 a three-story addition to Evans Hall was opened. It provides student lounges, study rooms, the cafeteria, classrooms, faculty offices, student computer lab and the osteopathic manipulative medicine laboratory.

Levin Administration Building

This elegant stone mansion stands at the center of the 16-acre Moss estate purchased by the college in 1957 as its present campus and underwent full restoration in 1997. It now houses the offices of the President and Executive Vice President, alumni relations/development and communications departments. Levin Administration Building is named in recognition of the Levin family tradition of pursuing and maintaining the osteopathic heritage, and in honor of Abraham Levin, DO '35, Jacob M. Levin, DO '36, Samuel I. Levin, DO '35, and Joel L. Levin, DO '69.

Rowland Hall

Purchased and occupied by the college in 1981, this modern five level building has a reception area and bookstore on the ground floor and houses

physician offices, administrative offices and academic areas throughout. Many PCOM students receive clinical instruction in Rowland Hall's outpatient offices. Rowland Hall is also home to the psychology department, financial aid and bursar's offices, graduate medical education department and college financial administration. The building is named in honor of Dr. Thomas M. Rowland, Jr., a former PCOM president who devoted 34 years of leadership to the college.

The Student Activity Center

PCOM's Student Center is a 55,000 square-foot facility available to PCOM students, student spouses and employees. Student membership is included in the student comprehensive fee. Student spouses and employees may purchase a membership for a nominal fee. The Center includes student lounges and recreation areas, exercise equipment, basketball and raquetball courts, and a rooftop deck suitable for hockey, basketball and shuffleboard. The Center also holds an NBA regulation size basketball court which the Philadelphia 76ers share for part of year as a practice facility. Administrative offices for Sixers staff and a media room are also included as part of the cooperative relationship between the College and the basketball team.

Health Care Centers

The one rural and four urban health care centers sponsored by PCOM offer unique learning opportunities. There, students deliver hands-on primary care under supervision and become intimately involved in the care of patients. The centers provide cross-cultural experiences in underserved, poor, working class, and racially diverse communities. The Health Care Center experience also enables students to learn the sociology and economics of the health care system by dealing with diverse populations covered by private insurance, HMOs and government medical assistance. The centers include:

- PCOM Family Practice, Harry Morris, DO, Director
- Lancaster Avenue Healthcare Center,
William Gilhool, DO, Co-Director, Ronald Reinhard, DO, Co-Director
- Cambria Street Healthcare Center, Oliver Bullock, DO, Director
- Roxborough Healthcare Center, David Kuo, DO, Director
- Sullivan County Medical Center, William Swallow, DO, Director

In addition to the college-sponsored health care centers, PCOM students receive clinical instruction at 6 additional affiliated urban sites and 12 additional affiliated rural community health care centers.

Affiliated Hospitals

The college utilizes an extensive network of affiliated hospitals to assure a high standard of education in the clinical education of PCOM's students. Clinical education programs at PCOM affiliates are guided by common educational goals. The Director of Clinical Education and two regional Assistant Deans monitor educational activities at the affiliated hospitals. Major teaching affiliates include:

Altoona Hospital
Belmont Center

Capital Health System
Clarion Osteopathic Hospital
Christiana Health Center
Community Hospital of Lancaster
Conemaugh Valley Memorial Hospital
Crozer-Keystone Health Systems
Doylestown Hospital
DuBois Regional Medical Center
Easton Hospital
Einstein Northern Division
Frankford-Bucks County
Geissinger Medical Center
Graduate Hospital
Kent General Hospital
Lehigh Valley Hospital
Lewistown Hospital
Lower Bucks Hospital
McKeesport Hospital
Medical College of Pennsylvania
Meadville Medical Center
Mercy Catholic Medical Center
Mercy Suburban General Hospital
Metro Health Center
Northeastern Hospital
Parkview Hospital
Pinnacle Health System
Sacred Heart Hospital
St. Agnes Medical Center
St. Francis Medical Center
St. John's Episcopal Hospital
St. Joseph's Hospital
St. Joseph's Medical Center
St. Luke's Hospital
The Medical Center of Beaver
UPMC-Horizon System
Warren Hospital
Wyoming Valley Health System

EDUCATIONAL RESOURCES

O.J. Snyder Memorial Library

The O.J. Snyder Memorial Library, named for one of PCOM's founders, provides information resources to support the educational, research and clinical activities of the college. The Library utilizes information technologies to expand the scope of local collections to encompass the universe of electronic resources, and to extend access to users at remote locations. The electronic environment of the PCOM Digital Library includes bibliographical databases and indexes, full text research and clinical journals and textbooks, catalogs of local, regional, and national biomedical

collections, and the ever-expanding web of biomedical sites.

The mission of the Library is to provide users with access to the widest possible range of information resources, and to assist users in acquiring the skills necessary to use these resources effectively.

The Library is located on the first and second floors of Evans Hall. It houses the print collections, a Reading Room for the current journal collection, a Conference/Group Study Room, Audiovisual Room, Database Center, and study space. The Audiovisual Room on the first floor of the Library contains videocassette players, slide projectors, and audio tape players. The Database Center on the second floor houses 20 computers and a networked laser printer.

Academic Year Library Hours

Monday – Friday 7 AM – 11:30 PM

Saturday – Sunday 8 AM – 11:30 PM (Variations in hours for
holidays, etc. are posted)

Collections

The print collection is comprised of over 16,000 books and 16,000 bound journal volumes. The Library subscribes to almost 700 current periodicals in print format, and also provides access to more than 3,000 full text electronic journals through the Digital Library E- Journals page. The Journal Search page provides title, keyword, and subject access to both the print and electronic collections. The Audiovisuals page provides access to the collection of audiovisual resources in the library.

The Library provides access to the following licensed databases: MEDLINE, MD Consult, Aidsline, Best Evidence, Bioethicsline, Cancerlit, CINAHL, Cochrane Collection of Systematic Reviews, Health & Psychological Instruments, HealthStar, and PsycLit through the Digital Library Databases page. The Digital Library also facilitates access to unrestricted Internet resources including CancerNet, CDC Wonder, Health Services Technology Assessment, Material Safety Data Sheets, Physician Data Query, and Population Index. All of these databases are available both on-campus and from remote locations.

The Digital Library Internet Subject Guides provide subject access to selected Internet sites and resources, including textbooks, clinical simulations, diagnostic support programs, metasites, etc.

Services

The Library staff provides instruction, reference, collection development and interlibrary loan services. Recommendations for purchase and requests for services may be transmitted electronically using the forms on the Service/Forms page. Staff may also be contacted by:

Voice: 215-871-6470

Fax: 215-871-6478

E-Mail: library@pcom.edu

Consortia Memberships

PCOM is a member of the Tri- State College Libraries Cooperative. TCLC consists of 36 academic and special libraries located in Pennsylvania, New

Jersey and Delaware. PCOM faculty and students are permitted borrowing privileges at TCLC libraries by presenting a letter of introduction authorized by a PCOM librarian. Please consult the Digital Library Information page for a listing of members. The Library also participates in the Health Sciences Libraries Consortium, and the National Network of Libraries of Medicine. Access to HSLC member

Computer Center and Student Computer Services

An open-access student computer center is located adjacent to the Evans addition student lounge area with more than 40 windows-compatible and MacIntosh computers, terminals, and printers. A software library is also maintained on the PCOMnet file server. In addition to common application programs, such as word processing, the software collection includes computer-based tutorials in basic science and clinical subjects, including patient case simulations. Students may also access the Internet and World Wide Web via the workstations in the computer center. MEDLINE searches and searches of the shared library system of the Pennsylvania medical schools can be conducted from terminals in the Computer Center and Library.

All PCOM students are assigned an e-mail address on PCOMnet, which sends and receives electronic mail both within the on-campus PCOMnet system and the internet. PCOMnet can also be accessed via student-owned notebook computers from a variety of study areas across the campus and remotely via the PCOM web page at www.pcom.edu. The PCOM Information Systems Department provides information and assistance for students wishing to access PCOMnet from their own computers at remote sites.

Anatomy Museum

The Angus Gordon Cathie, D.O. Collection contains special dissections, specimens and models, and is recognized as one of the finest of its kind in the world. The museum includes both normal and pathological specimens, serial sections, dissections and mounted preparations illustrating major diseases. Among the most notable are the collections of bone specimens, human embryos, Spalteholtz preparations and models of the development of the cardiovascular system. Exhibits from the collection are displayed throughout the campus.

Microscopy Facility

Located on the ground floor of Evans Hall, the Microscopy Facility includes a lab with a transmission electron microscope that serves as the high resolution analog of the light microscope and a state-of-the-art light microscope with video and computer data processing and storage. Tissue processing and photographic capabilities are also present. The staff is involved with basic and clinical research studies.

The Bookstore

The college bookstore is located on the ground floor of Rowland Hall. It is a convenient source for required textbooks supplies, and medical

equipment. Special orders for unstocked titles and used books may be placed through the store manager. Also available are academic and office supplies along with gift items.

COURSE DESCRIPTIONS

ANAT100 Human Gross and Developmental Anatomy – 1st Year Medical **-Gross Anatomy Unit**

The structure of the human body is studied in a systematic manner using a regional approach. The course consists of lectures and laboratory dissection with faculty instruction and supervision aided by the use of models, the Cathie Collection of human specimens, radiological films, video tapes of human dissection, computer aided instruction and prosections. Emphasis is placed on clinical anatomy.

-Developmental Anatomy Unit

Emphasis is on normal human development and those features of abnormal development that are of clinical importance. The course is integrated with Gross Anatomy and designed to give students an appreciation and understanding of anatomy and related congenital anomalies.

ANAT101 Radiologic Anatomy – 1st Year Medical

-Radiographic Anatomy Unit

A required unit of normal radiographic anatomy is integrated with first year Gross and Developmental Anatomy. Emphasis is on normal and developmental roentgen anatomy as it relates to clinical medicine. It includes basic radiobiology, physics, nuclear medicine and therapy as related to the anatomical basis of medical practice.

-Additional Course Integration

Throughout the semester, faculty from the Osteopathic Manipulative Medicine (OMM) Department provides short presentations that correlate OMM to the anatomical regions currently under consideration. Additionally, clinical faculty present short films that provide detailed information on relevant physical examinations that integrate with the anatomical region under consideration. Integrated written examinations consist of questions from Gross and Developmental Anatomy, Radiology, OMM, and Primary Care skills.

ANAT105 Cell and Tissue I: Structure and Function – 1st Year Medical

Students receive fundamental information regarding the functions of cells and tissues, intercellular communication, the cell cycle, and macromolecular synthesis. The course is divided into four components: lectures, histology laboratory sessions, case conferences, (including cases on Blackboard), and clinical correlations. The lectures are designed to present essential information in a concise and clinically relevant manner. In the histology laboratory, students will learn to identify cells, tissues, and organs through the microscope. Small group case conferences will utilize a clinical case format to underscore the basic and clinical concepts taught in lecture. Finally, clinical correlations are presented by physicians in a more open discussion forum, sometimes including lectures and/or presentations involving one or more individuals living with a disease process.

ANAT502 Human Gross Anatomy – Graduate Program in Biomedical Sciences

A comprehensive consideration of the human anatomy as it relates to function in order to provide the anatomical component of diagnosis and treatment. This course covers the gross anatomy of all systems in the human body including musculoskeletal, neuronal, aponeurotic, vascular, lymph, respiratory, cardiac, digestive, urinary, reproductive and the special senses with an emphasis on function, topographic and radiographic correlations and clinical applications. The format of this course includes lecture presentations and group dissection labs. Students are expected to present clinical case studies in small group sessions.

ANAT523 Neurosciences – Graduate Program in Biomedical Sciences

This course is presented in the second year of the program and provides a broad introduction to the basic and clinical neurosciences, including motor function, cerebrovascular blood supply, sensory receptors, higher cortical functions, the limbic system, neurometabolism, and nervous system structure and function.

ANAT502 Human Gross Anatomy – Physician Assistant Studies

This course will constitute a comprehensive consideration of human anatomy using a regional approach to the human body. The lecture component of the course will consist of a detailed explanation and clarification of the relevant anatomy including general principles and concepts with a strong emphasis on the clinical relevance of each area considered. The laboratory component of the course will consist of examination of dissected or prosecuted cadavers, special dissections by small groups of students of nondissected cadavers, examination of plastinated specimens, models, X-rays, cross sections, bones and appropriate videos of human dissection and clinical procedures.

BIOCH507 Molecular Basis of Medicine – Graduate Program in Biomedical Sciences

This course is scheduled in the first year of the graduate program in biomedical sciences.

It presents fundamental information regarding Biochemistry, Molecular Biology, Nutrition and Medical Genetics in a way that is highly practical in today's clinical and/or research setting. The organization of the course is divided into three components – lectures, small group discussions, and clinical correlations.

BIOM522, 525, 528 Biomedical Research I, II, III – Graduate Program in Biomedical Sciences

Supervised individual research projects undertaken by students in the program leading to the Master of Science in Biomedical Sciences.

CBN237 The Clinical and Basic Neurosciences – 2nd Year Medical

This comprehensive course on the central nervous system is presented in the second year. The course integrates the subjects of neuroscience, neuropathology, ophthalmology, neurology, and neurosurgery with companion CBN courses in psychiatry and neuropharmacology/anesthesiology. The objective is to provide the student with a full understanding of the fundamental science and clinical considerations of the nervous system.

-Neuroscience Unit

Lectures emphasize structure and function of the brain and spinal cord and their role in normal and diseased body systems. Laboratory consists of macro-dissection and demonstration of the CNS. Focus is given to blood supply and relation of anatomical features to contemporary imaging procedures. Students receive an introduction to ischemic and hemorrhagic diseases of the CNS, demyelination disorders, infectious diseases of and traumatic injury to the CNS. The neuropathology of aging and Alzheimer's Disease is explored.

- Neurology Unit

Lectures and demonstrations by members of the Neurology Division of Medicine are presented as part of the integrated neurosciences during the second year. Case studies are presented to provide clinical correlation. Instruction covers diseases of the brain, spinal cord, peripheral nerves and neuromuscular system. The specialty of neurology is approached from the modern therapeutic point of view and how the anatomic, physiologic and pathologic aspects are interrelated. The neurologic history and neurologic physical examination is covered in detail.

- Ophthalmology Unit

The anatomy and physiology of the eyes and visual system are reviewed. The pathological changes encountered are presented, and their relation to the diagnoses and management of general systemic diseases is discussed. Lectures cover osteopathic and surgical aspects of diseases of the eye. General optical principles and the symptoms and treatment of the errors of refraction are presented.

- Neurosurgery Unit

Students are introduced to the field of neurosurgery and craniocerebral trauma, including spinal cord injury, hydrocephalus/NPH, peripheral nerve disorders, and brain tumors. All areas are coordinated with pathology, psychiatry, and pharmacology/anesthesiology material in the CBN block. Neurosurgical management of pain is closely coordinated with other approaches to and perspectives on pain in the primary care patient.

CBN238 Psychiatry/Neuropharmacology – 2nd Year Medical -Psychiatry Unit

This course is coordinated with the other Clinical and Basic Neuroscience courses as an introduction to the field of psychiatry as a medical discipline, and course matter is integrated with neuroanatomy, neuropathology, neurosurgery, neurology, and neuropharmacology units. The history and evolution of psychiatry and the prominent theories of the mind and the causes of emotional illness are reviewed. Evaluation of the psychiatrically ill patient and principles of psychiatric diagnosis are taught. The neurobiological basis of psychiatric disease is discussed in detail. The relationship between brain function and psychiatric illness is a continuing discussion throughout the Psychiatric Medicine Unit. The diagnosis and principles of treatment of the major psychiatric syndromes are presented in detail. The course continues further into the field of neuropsychiatry. Many special topics are presented, including substance abuse disorders, child and adolescent psychiatry, geriatric psychiatry, principles of psychosomatic medicine, and psychiatric emergencies.

-Neuropharmacology Unit

Coordinated with the other components of the Clinical and Basic Neurosciences, this course begins with an exploration of the blood-brain barrier and CSF/metabolism and progresses through pharmacologic agents and their use in Parkinsonism, anxiety disorders, depression, and psychosis. The course introduces anticonvulsants, sedatives, endogenous opioids, psychomotor stimulants and psychomimetics. The pharmacology of anesthetics, including general, local and narcotic is presented.

- Anesthesiology Unit

The anesthesiology unit includes lectures describing the proper method of carrying a patient through the routine and emergency steps of a surgical or obstetrical procedure. All anesthetic agents in present use are reviewed, and patients are observed from the pre-operative to postoperative periods. Basic physiology, pharmacology and fundamentals are stressed, with special emphasis placed on the interrelationship of the anesthesiologist and general practitioner.

CLM510 Clinical Medicine I – Physician Assistant Studies

This course is the first in a sequence of three courses designed to prepare the physician assistant student for their professional clinical role. Students continue to develop and refine their patient communications, medical history and physical examination skills. Health care providers will discuss specific body systems and discuss the performance of comprehensive medical history and physical examinations. Discussions from health care providers will center on body system interaction including areas such as cardiology, dermatology, infectious diseases, ophthalmology, otorhinolaryngology, and pulmonology. Other professional issues are also considered including competency with various medical instruments. Students will participate in using interactive media for the ophthalmology and cardiology examinations This course is the first of a three term sequence

designed to prepare the physician assistant student for direct patient care. An introduction will be made to universal precautions, hand washing techniques, and technical procedures such as vital signs, venipuncture, ophthalmology examination, slit lamp function, auscultation, basic EKG interpretation, basic life support and the use of simple medical instruments. A systemic focused approach to patients concerning the medical history and physical examination are presented and students begin to practice these skills both in the clinical learning center and in the classroom.

CLM511 Clinical Medicine II – Physician Assistant Studies

This course is the second in a sequence of three courses designed to prepare the physician assistant student for their professional clinical role. This course provides a comprehensive presentation of medical topics across the spectrum of clinical medicine. The course is designed to allow PA students to develop the critical clinical reasoning skills, and an advanced understanding of disease processes and the treatment necessary for the supervised practice of medicine. Discussions from health care providers will center on body system interaction including areas such as nephrology, hematology, oncology, gastroenterology, urology, rheumatology, and orthopedics. This course offers the development of a variety of procedural skills, and refining student skill in performing and interpreting the medical history and physical examination are the primary purposes of this course. Students learn various competency skills such as nasogastric tube insertion, urinary catheterization, prostate and rectal examinations, casting and splinting skills, macro and micro urinalysis, and manual CBC. Students will also be presented with case presentations and have the opportunity to examine patients in the clinical learning and assessment center.

CLM512 Clinical Medicine III – Physician Assistant Studies

This course is the third in a sequence of three courses designed to prepare the physician assistant student for their professional clinical role. This course provides a comprehensive presentation of medical topics across the spectrum of clinical medicine. The course is designed to allow PA students to develop the critical clinical reasoning skills, and an advanced understanding of disease processes and the treatment necessary for the supervised practice of medicine. Discussions from health care providers will center on body system interaction including areas such as emergency medicine, endocrinology, geriatrics, neurology, obstetrics and gynecology, pediatrics and surgery. This course offers the development of a variety of procedural skills, and refining student skill in performing and interpreting the medical history and physical examination. Students learn various competency skills such as advanced cardiac life support, gloving and gowning for surgery, basic suturing skills, pelvic and PAP smear skills, and mental status and neurological examination. Students will also be presented with case presentations and have the opportunity to examine patients in the clinical learning and assessment center.

COMM430 Community Medicine Selective – 4th Year Medical

Selective 4-week clinical rotation in outpatient community medicine.

COMM531 Community Health Service I – Physician Assistant Studies

This is the first of a sequence of two courses that will provide students with an opportunity to interface with community based agencies and become familiar with diverse communities, with both their challenges and their resources. In addition, this course will allow students to develop a better understanding of how such factors as social, environmental and cultural issues can impact their patient's attitudes about health. Through this course, students will learn the importance of collaboration when developing relevant and effective health interventions. These courses will provide students with an understanding of the differences and commonalities of rural and urban community health care.

COMM532 Community Health Service II – Physician Assistant Studies

This is the second of a sequence of two courses that will provide students with an opportunity to interface with community based agencies and become familiar with diverse communities, with both their challenges and their resources. In addition, this course will allow students to develop a better understanding of how such factors as social, environmental and cultural issues can impact their patient's attitudes about health. Through this course, students will learn the importance of collaboration when developing relevant and effective health interventions. These courses will provide students with an understanding of the differences and commonalities of rural and urban community health care.

DERM242 Dermatology – 2nd Year Medical

This lecture course seeks to prepare the general practitioner for the diagnosis and management of cutaneous diseases. All of the common eruptive diseases are discussed and shown by means of color slides. Diseases are presented visually with all of their characteristics and variations. The student will learn the use of topical therapy, prescription writing, and special diagnostic and therapeutic procedures. Dermatology is presented as an individual second year course in the third academic term.

ELEC201-205 Second Year Elective – 2nd Year Medical

Second year students choose from a variety of clinical and research elective topics presented in small group and workshop format.

ELEC301-306 Junior Elective Rotation – 3rd Year Medical

Four-week elective rotation in PCOM affiliated hospital or outpatient office.

ELEC401-406 Senior Elective Rotation – 4th Year Medical

Four-week elective rotation in PCOM affiliated hospital or outpatient office.

EM115 Emergency Medicine – 1st Year Medical

All students are trained in Basic Cardiac Life Support and pre-hospital first responder skills. Emphasis is placed on teaching patient assessment and clinical evaluation skills in the pre-hospital environment. Successful

completion of the course provides PCOM students with a mechanism to obtain continued training for certification as Emergency Medical Technician in the Commonwealth of Pennsylvania.

EM215 Emergency Medicine II – Second Year Medical

This course consists of small group discussions and evaluation of case-based scenarios in the emergency setting. A strong emphasis is placed on class interaction and participation. One or two subjects are scheduled for each of the eight weeks.

EM414 Emergency Medicine Rotation – 4th Year Medical

Required 4-week rotation in PCOM affiliated hospital.

ETHC120 Medical Law and Ethics – 1st Year Medical

Lectures are presented to provide students with a basic understanding of the legal obligations and ethical responsibilities of physicians, both professionally and personally. Many of the law lectures are presented by members of the law firm of Blank, Rome, Comisky and McCauley and span medicolegal issues such as including judicial process, fraud and abuse, malpractice, torts, patient rights, and privacy issues. Guest lecturers provide the ethical perspective on numerous issues of importance to the physician, including end of life decisions, confidentiality, practice ethics, research ethics, and foundations of ethical decision-making.

GP244 1 Clinical Geriatrics – 2nd Year Medical

The geriatric course consists of twenty-one hours of lectures presented during the spring semester of the second year. Students are encouraged to build on their basic science knowledge and gain a deeper understanding of the unique and complex medical aspects of older persons. Course format utilizes lectures, case studies, and interactive sessions to introduce the clinical syndromes commonly seen in older persons; including the five “I’s” of impaired homeostasis, incompetence, incontinence, immobility and iatrogenesis. Physiologic changes associated with aging, healthy aging, maintenance of function and nutrition, as well as medico-legal and ethical issues are discussed. The course culminates in an interactive two-hour seminar-covering end of life issues such as pain management, hospice, terminal care, anticipatory planning and advance directives.

GP342 Family Medicine Clerkship – 3rd Year Medical

Required four-week hospital based clinical rotation in PCOM affiliated hospitals.

GP346 OMM/Family Medicine Selective – 3rd Year Medical

Required four-week ambulatory care clinical rotation in PCOM affiliated rural or urban outpatient offices.

HCC R420 Urban Health Care Center Clerkship – 4th Year Medical

Required eight-week clinical rotation in PCOM urban health care center.

HCC U424 Rural Health Care Center Rotation – 4th Year Medical
Required four-week clinical rotation in PCOM rural health care center

HCC U426 Rural Health Care Center Rotation – 4th Year Medical
Required four-week clinical rotation in PCOM rural health care center to complete senior rural health care requirement comprised of HCCU424 and HCCU426.

IM164 Cardiovascular Medicine – 1st Year Medical
This course is intended to introduce the student to clinical cardiology at its most fundamental level with an explanation of the mechanisms of the cardiac cycle, the heart sounds, bedside clinical diagnosis of findings suggestive of underlying heart disease, the arrhythmias both atrial and ventricular, and the significant categories of commonly encountered organic heart disease, acquired, congenital, hereditary and infectious. The course includes appropriate implications of peripheral vascular disease. Students study cardiac muscle function and circulation while learning about cardiac pathology and circulatory disorders. Related pharmacology such as antihypertensives, hypolipidemics, antiarrhythmic, and diuretics are discussed. This course is an integrated effort of the Departments of Medicine, Surgery, Pathology Immunology and Microbiology, and BioMedical Sciences.

IM165 Pulmonary Medicine – 1st Year Medical
An integrated biomedical approach characterizes the respiratory system course. Using didactic lectures, oral quizzes and clinical presentations, this course introduces the student to the etiology, diagnosis and treatment of the diseases of the respiratory system. The physiology, pharmacology, pathology, surgery and internal medicine faculty jointly presents the course. Physiologic regulation of respiration and a wide variety of lung diseases from emphysema to carcinoma are included. Pharmacology adds an integrated introduction to antihistamines, anti-inflammatory agents, bronchodilator, mucolytic, and antitussive agents. This course is an integrated effort of the Departments of Medicine, Surgery, Pathology Immunology and Microbiology, and BioMedical Sciences.

IM263-2 Rheumatology – 2nd Year Medical
During the second year, “Introduction to the Rheumatic Diseases” is presented as a series of lectures and demonstrations. The clinical, laboratory, etiopathological and management of relevant rheumatic diseases are highlighted.

IM265 Gastroenterology – 2nd Year Medical
The basic pathophysiology of the gastrointestinal system is presented. Lecturers present a compendium of diseases of the gastrointestinal system, including the common and uncommon gastrointestinal conditions, biliary metabolism, and infections and infestations of the liver and gut. Endoscopic implications and slides are incorporated to demonstrate pathology as viewed through gastrointestinal endoscopy and colonoscopy. The oncology of the

system is discussed including surgical, medical, and radiation implications. This course is an integrated effort of the Departments of Medicine, Surgery, Pathology Immunology and Microbiology, and BioMedical Sciences.

IM268 Clinical Endocrinology – 2nd Year Medical

Lectures and clinical demonstrations of diseases of the endocrine glands, including metabolic disorders, vitamin and nutritional disturbances are presented. The basic pathophysiology of the endocrine system is emphasized. Diseases of the pituitary, thyroid, parathyroid and adrenal glands are presented. This course is an integrated effort of the Departments of Medicine, Surgery, Pathology Immunology and Microbiology, and BioMedical Sciences.

IM362 Clinical Internal Medicine – 3rd Year Medical

Required four-week clinical rotation in PCOM affiliated hospitals and outpatient offices.

IM364 Clinical Cardiology – 3rd Year Medical

Required four-week clinical rotation in PCOM affiliated hospitals and outpatient offices.

IM 462 Medicine Sub-I – 4th Year Medical

Required four-week clinical rotation in PCOM affiliated hospitals.

IM464 Clinical Internal Medicine – 4th Year Medical

Required eight-week clinical rotation in PCOM affiliated hospitals and outpatient offices

MICRO518 Immunology – Graduate Program in Biomedical Sciences

This course introduces the field of immunology to PCOM's graduate students in the biomedical sciences in the first term of the Master's Degree program. Through laboratory demonstrations, lectures, and problem solving conferences, students explore antigens and antibodies, mucosal immunity, and innate and acquired immunity in the first course segment.

Cell cooperation and immunogenetics follow, with presentations on cell-mediated immunity, T-cell functions, cytokines and signal transduction. Students proceed to the study of the body's immune response to bacteria, viruses and tumors, and its hyper- sensitivities and allergic reactions. Problem solving presentations include patient cases in human immune deficiency, allergy and transplantation. Students conclude the course by developing and presenting group projects.

OBGYN249 Obstetrics-Gynecological and Reproductive Sciences – 2nd Year Medical

Lectures, demonstrations and live patient models are utilized. This course comprises a systematic study of normal pregnancy, labor and puerperium. A review of reproduction as it pertains to the human introduces the subject. This is followed by studies that concern the progress and management of normal pregnancy through its completion. The management of normal labor,

the diagnosis of the various presentations and the mechanisms of labor are stressed. This is followed by studies of the pathology of pregnancy, diagnostic methods and treatment.

This course is introduced by a review of the anatomy and physiology of the organs of reproduction. The non-surgical gynecological diseases are then presented. Lectures and demonstrations of the diagnostic and operative gynecology procedures are also presented. Family planning, contraception, infertility and gynecologic oncology complete the course. The oncology and pharmacology associated with Women's Health issues is also presented. This course is an integrated effort of the Departments of Medicine, Surgery, Pathology Immunology and Microbiology, BioMedical Sciences and Obstetrics and Gynecology.

OBGYN348 Clinical Obstetrics and Gynecology – 3rd Year Medical

Required four-week clinical rotation in PCOM affiliated hospitals and outpatient offices

ONCO271 Oncology/Hematology – 2nd Year Medical

This course is intended to give 2nd year medical student a broad overview of oncology. Major areas of the diagnosis and treatment of cancer that a primary care physician is expected to know are presented. It is comprised of three sections: Basic Aspects, Diagnosis and Treatment, and Supportive/Terminal Care.

Basic Aspects is devoted to discussion of primary principles of selected oncologic areas, i.e., hematology, immunology and pharmacology. Within Diagnosis and Treatment there are 11 subsections, each devoted to a major type of cancer (e.g. lung) which are presented in a fully integrated format comprising family medicine, pathology, medical oncology, diagnostic radiology, pharmacology, surgery, and radiation oncology. Four tumor board (lung, GI, urogenital, breast) are presented in class so medical students can observe the intricacies of staging and treatment of neoplastic diseases. In Supportive/Terminal Care, presentations are given by a hospice nurse, hospice physician, and a member of the clergy, all of whom have significant clinical experience in this field. Patients are also brought in to discuss with the medical students how the diagnosis and treatment of their respective cancer has affected them.

Major emphasis is placed on pain management including the ability to differentiate addiction (psychological dependence) which is a rare occurrence among cancer patients from physical dependence (which can occur with many drugs during chronic administration). Students are examined in a case-based format, which assists 2nd year students in their preparation for their forthcoming clinical training.

OPCS151, 152, 153 Osteopathic Primary Care Skills I, II, III – 1st Year Medical

This course integrates with material presented in anatomy, osteopathic manipulative medicine, biochemistry, physiology and microbiology to introduce fundamental techniques of physical examination and patient interviewing. The medical history is introduced, as are concepts in the

osteopathic approach to primary care, psychosocial issues, and the physician-patient relationship. The course includes an introduction to human sexuality and expands beyond the basics of physical examination skills training to address the cardiovascular and respiratory systems and infectious disease presentation in more depth. The department utilizes skill workshops, lectures, small group case discussions and standardized patient actors in the instructional program.

-Human Sexuality Unit

This unit is designed to acquaint the medical student with changing attitudes to this timely subject. Facts are supported; fallacies are dispelled. How to take a sexual history and be comfortable with sex topics and sexual dysfunctions are explained. The sexual response cycle, sexuality in the aged, in pregnancy and in the chronically ill are other topics discussed. Rape, incest and counseling are also covered. Audiovisual techniques, guest lecturers, and seminars aid in the presentation of this important subject in the professional development of the physician.

OPCS251, 252, 253 Osteopathic Primary Care Skills IV, V, VI – 2nd Year Medical

The continuation of the first year course that introduces more advanced physical examination skills, surgical skills, and problem solving. Students conduct ophthalmologic and ENT examinations in the outpatient setting. More advanced clinical workshops, case presentations and standardized patient exercises are integrated with second year medical course content.

The Department of Surgery and its divisions provide small group laboratory instruction in surgical skills throughout this second year course. Included are sessions on surgical scrub and sterile technique, gloving and gowning, suturing, IV and catheterization and prostate examination.

OPP141 Osteopathic Principles and Practice I – 1st Year Medical

Students are introduced to the concept and philosophy of the osteopathic school of the healing arts in lectures and practice sessions. Fundamentals in the art of observation, palpation and evaluation are presented. Practice session sheets are furnished for both instruction and recording of findings. Surface anatomy is studied and landmarks identified to lay a proper foundation for future work in this department as well as for physical diagnosis. Physiologic motions of the spine are considered in both lecture and practice sessions. Tests for active and passive motion are presented and carried out in practice sessions. Regional and intersegmental motion testing is applied. Somatic dysfunction is defined.

OPP142 Principles and Practice II – 1st Year Medical

Clinical presentations and their osteopathic diagnosis and management are introduced. Further osteopathic fundamentals are presented in differentiating the basis for myofascial techniques and reflex oriented techniques. Myofascial oriented osteopathic techniques are demonstrated and students will begin their therapeutic development with soft-tissue, myofascial release and counterstrain OMT.

OPP143 Principles and Practice III – 1st Year Medical

Physiologic motion of the thoracic spine and rib cage is reviewed, as well as the biomechanical actions of the respiratory muscles. Thoracic and costal somatic dysfunction are presented in clinical cases. Scoliosis is defined and osteopathic management of various scoliosis types is covered. Muscle energy and HVLA techniques for this region are introduced. Introduction to viscerosomatic, somato-visceral, somato-somatic, and psychosomatic reflexes and their relevance to health and disease are presented.

OPP241 Principles and Practice IV – 2nd year medical

The pelvic and lumbar areas are reviewed, as well as the physiologic motion patterns that pertain to these areas. Sacral, lumbar, and pelvic somatic dysfunctions are discussed and OMT for these dysfunctions are presented. The somatic and visceral relationships that pertain to these areas are also presented with clinical correlation in OB/GYN, GI, and renal disease. Muscle energy and HVLA techniques for specific dysfunctions in these areas are presented.

OPP242 Principles and Practice V – 2nd year medical

Introduction to the principles of osteopathy in the cranial field is presented in lecture (an elective is offered in the third trimester for more complete understanding and practical palpatory diagnosis). Cervical biomechanics and somatic dysfunction are reviewed and muscle energy, HVLA, counterstrain, and FPR techniques are covered in the lab sessions.

OPP243 Principles and Practice VI – 2nd year medical

Lectures and practice sessions are correlated and directed toward the understanding and management of various appendicular problems. Basic principles are taught and practiced along with basic techniques including muscle energy, HVLA, and LAS.

PATH523 Histology and Pathology – Graduate Program in Biomedical Sciences

This weekly seminar is intended to provide a basic introduction at the graduate level to fundamental concepts and mechanisms of pathology. Cell injury and inflammation are introduced, as are the fundamentals of immunopathology. The seminar concludes with a focus on the cell kinetics, cell signaling and morphologic features in neoplastic disease, and introduces tumor classification and metastasis.

PATHMIC105 Cell and Tissue II: Local and Systemic Regulation 1st Year Medical

This course represents a continued analysis of normal cellular structure and function with emphases on the reproductive system and genetics. However, as the course progresses, the focus shifts towards perturbations of normal cellular and organ function. Topics covered include an introduction to neoplastic diseases, with discussions of carcinogenesis, tumor cell biology, the diagnosis, staging and management of cancer, and a detailed analysis of leukemias and lymphomas. Normal metabolic processes will be contrasted

with perturbations such as occur in Diabetes Mellitus. Also included are discussions of cellular injury induced by physical, chemical and microbial entities. An emphasis of the course is the host: parasite relationship with discussions of microbial pathogenicity, infectious disease, acute and chronic inflammation and the immune response. Another key component of this course is an introduction to pharmacologic intervention, including presentations on principles of clinical pharmacology and detailed discussion of drugs that alter inflammatory and immune processes as well as those medications, which are antimicrobial.

As an adjunct to lectures, small group clinical case conferences underscore basic and clinical concepts. Laboratory sessions provide direct microscopic observation of normal eucaryotic and microbial cells and an introduction to commonly used diagnostic techniques in infectious disease. Clinical correlations are structured discussions between students, a primary care physician and individuals living with a disease process highlighted in the course.

PED254 -1 Pediatrics – 2nd Year Medical

The second year Pediatrics program consists primarily of lectures and audiovisual demonstrations. The normal development of the pediatric patient is emphasized. The total lecture schedule encompasses approximately 40 hours and includes didactic material such as the study of the fetus, high-risk pregnancies, premature and newborn high-risk problems, and difficulties affecting perinatal care of premature and full-term infants. Preventive pediatrics (hygiene, infant feeding and immunizations) is discussed at the ambulatory office practice level, as well as at the hospital critical care level. Gastrointestinal, surgical, hematologic, nose and throat, and cardiovascular problems are studied and presented by the pediatrician. Lectures and audiovisual demonstrations of the disease processes with their influence on the fetus, newborn, and pediatric population are presented with diagnostic criteria and management. Fluid and electrolyte balance, emergency room care, medical aspects of trauma, fever and convulsions, the unconscious child, metabolic problems, and other pediatric problems are thoroughly covered. Enuresis, medical genitourinary disease and central nervous system problems are discussed by the pediatricians and subspecialists. Special attention is given to developmental, neurological and behavioral pediatrics in this review by our pediatric development specialist. Our neonatologists help to broaden the scope of our teaching program. Various pediatric surgical problems are also discussed to provide sufficient exposure to these entities.

PED354 Clinical Pediatrics – 3rd Year Medical

Required four-week clinical rotation in PCOM affiliated hospitals and outpatient offices.

PHYA503 History Taking and Physical Examination – Physician Assistant Studies

This course is designed to prepare the physician assistant student for their professional clinical role. Students will examine and practice patient

interviews, communications skills and general physical examination procedures through classroom and experience in the clinical learning and assessment center. The use of standardized patients will offer students the opportunity to have immediate feedback regarding their history taking and physical examination skills-limited structured clinical experiences. An introduction self study medical terminology section will also be presented.

ETHC510 Medicine, Law, and Health Care Ethics – Physician Assistant Studies

This course is presented to prepare students with an understanding of basic medical law and medical ethics. Lectures in law/medical jurisprudence and medical ethics are presented to provide students with a basic understanding of the legal obligations and ethical responsibilities of medical practitioners.

NUTR518 Medical Nutrition – Physician Assistant Studies

This course will introduce students to the basics of nutrition science, as it relates to clinical medicine. Topics include nutrition assessment, focusing on dietary history taking and physical exam skills needed for the management of health and disease. The basic principles of vitamins and minerals, including digestion, absorption, function, structure deficiency, toxicity, requirements throughout life, and preventive aspects will be included. Nutritional requirements and age appropriate nutritional issues will be highlighted for children, pregnant and lactating women and older adults. Teaching methods will emphasize case presentations and student involvement.

PATH535 Pathology I – Physician Assistant Studies

This is the first in a sequence of three courses in the study of pathology, which will provide an understanding of the nature and mechanisms of disease, which is a foundation for critical thinking in clinical practice. These courses provide a systematic approach to the physiologic basis for disease. These courses will cover a general pathology of cell injury, inflammation, infections and neoplasia is presented along with the disease processes of organ systems including the gastrointestinal, cardiovascular, respiratory, neurologic, renal, urinary, reproductive, musculoskeletal, immunological, endocrine, dermatological, and hematological systems.

PATH536 Pathology II – Physician Assistant Studies

This is the second in a sequence of three courses in the study of pathology, which will provide an understanding of the nature and mechanisms of disease, which is a foundation for critical thinking in clinical practice. These courses provide a systematic approach to the physiologic basis for disease. These courses will cover a general pathology of cell injury, inflammation, infections and neoplasia is presented along with the disease processes of organ systems including the gastrointestinal, cardiovascular, respiratory, neurologic, renal, urinary, reproductive, musculoskeletal, immunological, endocrine, dermatological, and hematological systems.

PATH537 Pathology III – Physician Assistant Studies

This is the third in a sequence of three courses in the study of pathology, which will provide an understanding of the nature and mechanisms of disease, which is a foundation for critical thinking in clinical practice. These courses provide a systematic approach to the physiologic basis for disease. These courses will cover a general pathology of cell injury, inflammation, infections and neoplasia is presented along with the disease processes of organ systems including the gastrointestinal, cardiovascular, respiratory, neurologic, renal, urinary, reproductive, musculoskeletal, immunological, endocrine, dermatological, and hematological systems.

PHA520 Pharmacology I – Physician Assistant Studies

This course is the first of a sequence of three courses, which will provide a broad survey of the basic principles of pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. These courses will review the mechanism (s) of actions, toxicities and interactions of specific drugs and drug classes, as well as provide the students with an introduction to clinical therapeutics. Clinical therapeutics incorporates the physiologic basis and clinical characteristics of disease states relative to pharmacologic therapy. Combined lecture and case presentations are designed to develop the pharmacologic and therapeutic skills that a physician assistant will need to enhance patient care in a clinical practice setting. Prerequisites: Admission to the Professional Phase of the Physician Assistant Program.

PHA521 Pharmacology II – Physician Assistant Studies

This course is the second of a sequence of three courses, which will provide the basic principles of pharmacokinetics, pharmacodynamics and pharmacotherapeutics. These courses will review the mechanism (s) of action, toxicities and interactions of specific drugs and drug classes, as well as provide the students with an introduction to clinical therapeutics. Clinical therapeutics incorporates the physiologic basis and clinical character of disease states relative to pharmacologic therapy. Combined lecture and case presentations are designed to develop the pharmacologic and therapeutic skills that a physician assistant will need to enhance patient care in a clinical practice setting.

PHA522 Pharmacology III – Physician Assistant Studies

This course is the second of a sequence of three courses, which will provide the basic principles of pharmacokinetics, pharmacodynamics and pharmacotherapeutics. These courses will review the mechanism (s) of action, toxicities and interactions of specific drugs and drug classes, as well as provide the students with an introduction to clinical therapeutics. Clinical therapeutics incorporates the physiologic basis and clinical character of disease states relative to pharmacologic therapy. Combined lecture and case presentations are designed to develop the pharmacologic and therapeutic skills that a physician assistant will need to enhance patient care in a clinical practice setting.

PHYA514 PA Role and History – Physician Assistant Studies

This course presents the history, development and current status of the physician assistant profession within the context of the U.S. medical system and the modern-day health work force. This course will focus on the historical perspective of the physician assistant profession, as well as content related to current trends, role delineation and issues. This course will also discuss the political and legal factors that affect physician assistant practice, intraprofessional factors, and the physician assistants role in relation to physicians and other providers. Students will also discuss the AAPA code of ethics and its importance in everyday clinical practice.

PHYA542 Theory, Practice & Concepts of Health Education – Physician Assistant Studies

This course presents theories and principles of health and wellness education programs, and prevention strategies in clinical practice. It also provides the student with an understanding of current health care and reimbursement systems, their operation and impact on community health and medical practice. Prerequisites: Admission to the Professional Phase of the Physician Assistant Program.

PHYA516 Research Design and Methodology – Physician Assistant Studies

This course provides a foundation in research design, concepts, and methodology. The application of biostatistics and epidemiology concepts as applied to the interpretation of the medical literature will also be discussed. Prerequisites: Admission to the Professional Phase of the Physician Assistant Program.

PHYA526 Principles and Practice of Health Care Management – Physician Assistant Studies

This course will offer a basic grounding for students in the principles and practices of health care management. Discussions will focus on health care systems, integrated delivery systems, current financial and productivity issues relevant to the PA profession, quality improvement, risk management, global health care partnerships, managed care environments and other issues pertinent to health management will be discussed.

PHYA551 Internal Medicine Clinical Preceptorship – Physician Assistant Studies

This six-week preceptorship is intended to augment and strengthen the student's skills in developing a comprehensive database and a systemic approach to common internal medicine problems. Emphasis is placed on generating the information and skills to enable the student to recognize normal and assess clinically significant deviations from normal. Students perform patient history and physical examinations, obtain diagnostic testing and present the data to their precepting physician(s) with a proposed differential diagnosis and treatment plan. This preceptorship will assist the student in learning the indications, limitations, and methodology of internal medicine procedures and therapeutic strategies. Students function in a role similar to the intended role of a practicing physician assistant, including

participation in hospital rounds where diagnostic and therapeutic plans for acutely ill patients are discussed, performing and observing various clinical procedures and preparing written and oral communication about patients. Where possible, students participate in grand rounds, noon conferences and clinically relevant didactic presentations. A set of learning objectives guides student reading in preparation for a written examination at the end of the preceptorship.

PHYA552 Family Medicine Preceptorship – Physician Assistant Studies

This six week preceptorship is intended to augment and strengthen the student's skills in developing a comprehensive database and a systemic approach to common family medicine problems. Emphasis is placed on generating the information and skills to enable the student to recognize normal and assess clinically significant deviations from normal. Students perform patient history and physical examinations, obtain diagnostic testing and present the data to their precepting physician(s) with a proposed differential diagnosis and treatment plan. This preceptorship will assist the student in learning the indications, limitations, and methodology of family medicine procedures and therapeutic strategies. Students function in a role similar to the intended role of a practicing physician assistant. Where possible, students participate in grand rounds, noon conferences and clinically relevant didactic presentations. A set of learning objectives guides student reading in preparation for a written examination at the end of the preceptorship.

PHYA553 Emergency Medicine Clinical Preceptorship – Physician Assistant Studies

This six week preceptorship allows the student to augment and strengthen the student's skills in developing a comprehensive database and a systemic approach to common emergency medicine problems. Emphasis is placed on generating the information and skills to enable the student to recognize normal and assess clinically significant deviations from normal. Students will perform appropriate clinical evaluation: including focused patient history and physical examinations, obtain diagnostic testing and present the data to their precepting physician(s) with a proposed differential diagnosis and treatment plan. Students will gain skills which include those necessary for appropriate triage, stabilization of patients with traumatic injuries and illnesses, the management of the less life threatening problems which present to the emergency room, working with the pre-hospital emergency medical service team, and making appropriate secondary referrals. Where possible, students participate in grand rounds, noon conferences and other clinically relevant didactic presentations. A set of learning objectives guides student reading in preparation for a written examination at the end of the preceptorship.

PHYA554 Prenatal and Gynecology Clinical Preceptorship – Physician Assistant Studies

This six-week preceptorship is intended to augment and strengthen the student's skills in developing a comprehensive database and a systemic

approach to common problems seen in obstetrics and gynecology practice. Emphasis is placed on generating the information and skills to enable the student to recognize normal and assess clinically significant deviations from normal. Students will perform appropriate clinical evaluation: including focused patient history and physical examinations, obtain diagnostic testing and present the data to their precepting physician(s) with a proposed differential diagnosis and treatment plan. This preceptorship teaches the student the indications, limitations, and methodology of obstetric and gynecologic procedures and therapeutic strategies. Students will also have the experience in managing common outpatient gynecology problems, gynecologic diagnostic techniques and therapy, family planning, assisting at gynecologic surgery, and techniques for the early detection of gynecologic cancer. A set of learning objectives guides the students reading in preparation for a written examination at the end of the preceptorship.

PHYA555 General Surgery Clinical Preceptorship – Physician Assistant Studies

This six week surgical preceptorship will augment and strengthen the student's skills in developing a comprehensive database and a systemic approach to common problems in general surgery. Students will perform appropriate clinical evaluation: including comprehensive surgical history and physical examinations, obtain diagnostic testing and present the data to their precepting physician(s) with a proposed differential diagnosis and treatment plan. Students will assist in surgical procedures in the operating room, the diagnostic evaluation of surgical patients, with pre and postoperative care with the ambulatory care of surgical patients. Proficiency is to be developed in suturing, incision and drainage, excision and the biopsy of simple wounds and lesions. Where possible, students participate in grand rounds, noon conferences and other clinically relevant didactic presentations. A set of learning objectives guides student reading in preparation for a written examination at the end of the preceptorship.

PHYA556 Behavioral Medicine Preceptorship – Physician Assistant Studies

This six-week preceptorship involves experiences, primarily in outpatient settings, that allow students to develop skills in the evaluation and management of patient with a variety of psychiatric problems. Through these experiences, students gain an appreciation for the role of the psychiatrist, psychologist, nurse and social worker in the care of the mentally ill, and become better able to make appropriate psychiatric referrals from primary care. The use of psychoactive pharmaceuticals and the role of psychotherapy in psychiatry are explored in the experience. Where possible, students participate in grand rounds, noon conferences and other clinically relevant didactic presentations. A set of learning objectives guides student reading in preparation for a written examination at the end of the preceptorship.

PHYA557 Pediatrics Clinical Preceptorship – Physician Assistant Studies

This six week pediatric preceptorship will augment and strengthen the student's skills in developing a comprehensive database and a systemic approach to common problems in pediatrics. Emphasis is placed on generating the information and skills to enable the student to recognize normal and assess clinically significant deviations from normal. Students will perform appropriate clinical evaluation: including comprehensive history and physical examinations, obtain diagnostic testing and present the data to their precepting physician(s) with a proposed differential diagnosis and treatment plan. The student will have an intense exposure to primary care pediatric problems with the objective of developing skills in well child preventive care, the care of common pediatric illnesses and the care of the newborn. These experiences are obtained in the outpatient and inpatient setting. A set of learning objectives guides student reading in preparation for a written examination at the end of the preceptorship

PHYA558 Elective Preceptorships – Physician Assistant Studies

This six week preceptorship offers the student the opportunity to choose an elective in any of the following areas: orthopedics, geriatrics, ENT, infectious disease, radiology or combine a previous preceptorship for further development of their clinical skills. The student selects the clinical area(s) for the Elective Preceptorship with the approval of the program faculty, the student develops an individualized learning contract which includes objectives for their elective rotation(s), and a method to demonstrate achievement of these objectives at the conclusion of the preceptorship(s).

PHYA560 Research Presentation – Physician Assistant Studies

This course will take place during the final term of the clinical year. Students will select a research topic, conduct an in-depth review of the literature, review project with assigned faculty course coordinator and present project to the class and assembled invited faculty. This project can be presented as a case management report, comprehensive literature review or formal research report. The project and the presentation style must be reviewed and approved by the assigned faculty course coordinator.

PHYA562 Comprehensive Preceptorship Review – Physician Assistant Studies

PHYS512 Physiology/Pharmacology – Graduate Program in Biomedical Sciences

This course is conducted during the third term of the graduate program's first year. Medical Physiology presents an introduction to human physiology by discussing basic electrophysiology, progressing through cardiac and skeletal muscle, the autonomic nervous system, gastrointestinal physiology, body fluids, basic nutrition/physical fitness, respiratory and cardiovascular physiology. The course concludes with introductory information on renal and endocrine physiology. During the course students receive an emphasis on physiological measurements through various laboratory exercises.

PHYS520 Human Physiology – Physician Assistant Studies

This course will constitute a comprehensive review of normal human physiology using a regional approach to the human body. The lecture component of the course will consist of a detailed explanation and clarification of the relevant physiology including general principles and concepts with a strong emphasis on the clinical relevance of each area considered.

PSY001 Independent Study – Doctorate in Clinical Psychology

PSY352 Psychiatry Clerkship – 3rd Year Medical

Required four-week clinical rotation in PCOM affiliated hospitals and outpatient offices.

PSY530 Behavioral Medicine and Psychiatry – Physician Assistant Studies

The primary goal of this course is to empower the physician assistant student with the necessary skills, knowledge, and sensitivity in order to intervene effectively for a variety of psychological, emotional and social concerns that are presented by patients in health care settings on a daily basis. Students will gain skills in the evaluation and management of patients with variety of psychological problems. Students will gain an appreciation for the health care team as it applies to the mental health patient. A mixture of didactic presentations, group discussions, individual and group role-playing, workshops, and standardized patients interviews are utilized.

PSY553 Health Physiology Interacting Seminar – Masters in Clinical Health Psychology

PSY563 Practicum – Masters in Clinical Health Psychology

PSY501 Theories of Personality – Masters in Clinical Health Psychology

A survey of the various theories of personality and the models of psychotherapy that stem from them. The interaction and effects of forces that influence personality development will be explored.

PSY502 Behavioral Change in Health Psychology – Masters in Clinical Health Psychology

Application of learning principles and environmental control to behavior change in health related areas. Emphasis on founding principles, techniques, and assessment methods of modification.

PSY503 Psychopathology – Masters in Clinical Health Psychology

Advanced study of abnormal human behavior. Covers the etiology, symptomatology, incidence, assessment, treatment, and prognosis of the major psychological disorders. Current and recent theoretical approaches and research findings relevant to the etiology and treatment of these disorders presented.

PSY504 Group Therapy – Masters in Clinical Health Psychology

This course traces the major theoretical orientations in-group psychotherapy. Students will learn to apply group approaches to the treatment of mental and medical health problems.

PSY505 Clinical Assessment in Health Psychology – Masters in Clinical Health Psychology

History and theories of clinical assessment as it applies to various areas of health psychology. Introduction to clinical interviewing and the development of clinical hypotheses and treatment conceptualizations based on available data.

PSY506 Foundations of Psychotherapy – Masters in Clinical Health Psychology

Theoretical considerations, principles, and problems in Cognitive Behavioral Therapy (CBT) and other empirically validated procedures. Designed to provide an introduction to the basic skills used in psychotherapy generally, and CBT specifically.

PSY507 Social Psychology and Multicultural Competence – Masters in Clinical Health Psychology

Overview of health and social problems at individual, group, institutional, and societal levels. This course will also provide an overview of the knowledge, skills, and attitudes necessary to understand, communicate with, and treat culturally diverse populations.

PSY508 Developmental Psychology – Masters in Clinical Health Psychology

Comprehensive survey of the theory and research concerning the physical, cognitive, emotional, behavioral, and social aspects of development. Study of the psychology of the growing person from conception through the elder years.

PSY509 Tests and Measurements – Masters in Clinical Health Psychology

Survey of tests and measurement tools used in contemporary psychology with special emphasis on intellectual and personality variables. Critical concepts and strategies in psychological testing including standardization, reliability, validity, and test selection are discussed.

PSY510 Professional, Legal, and Ethical Issues – Masters in Clinical Health Psychology

Survey of professional and ethical issues confronting the psychology professional in mental health and behavioral medicine. Emphasizes appropriate management of common legal and ethical dilemmas encountered in the clinical practice.

**PSY551 Physiology, Health, and Psychology –
Masters in Clinical Health Psychology**

Normal functions of the human body are explored with an emphasis on understanding chronic medical conditions and communicating with medical personnel. This course emphasizes applications of psychological principles to health care that may promote wellness, foster healing, and affect treatment outcome.

**PSY552 Program Evaluation, Research Methods, and Statistics –
Masters in Clinical Health Psychology**

Statistical analysis and research design in psychology including sampling, measurement, hypothesis development and testing, and interpretation of results. Designed to teach program evaluation and research methods in psychology while providing the student with a hands-on approach to collecting and analyzing data.

**PSY553 Health Psychology – Integrating Seminar –
Masters in Health Psychology**

PSY561, 562, 563 Practicum – Masters in Clinical Health Psychology

A year- long sequence of applied clinical work to promote the development of clinical skills and the integration of psychological theory with real-world experience. In addition, there will be intensive supervision and literature reviews tailored to the student's experiences provided in a weekly seminar.

PSY590 Special Topics – Reducing Crisis in the Classroom

This is a concentrated summer teacher's institute graduate course which explores the psychological and physical roots of disruptive student behavior and focuses on means of reducing crisis and controlling violent behavior. Open to teachers, counselors and other educators.

PSY601 Behavioral Medicine – Doctorate in Clinical Psychology

This course is designed to provide an overview of essential content for the preparation of clinical psychologists practicing in primary care and other related medical settings. Particular emphasis is placed upon the clinical psychologist as a practitioner, consultant, teacher, researcher, administrator, and role model in the medical setting.

**PSY602 Comparative and Integrative Psychotherapy –
Doctorate in Clinical Psychology**

The purpose of this course is to present a survey of many of the prominent schools of psychotherapy, and attempt to demonstrate the integration of many approaches into a coherent methodology of treatment.

**PSY605 History and Systems of Psychology –
Doctorate in Clinical Psychology**

This course is designed as an overview of the history of psychology in the Western world. The historical approaches to this task will include an

historical developmental approach to origins and changes of ideas over time, the study of great persons and schools of thought, and a look at the Zeitgeist of each.

**PSY607 Cognitive/Affective Bases of Behavior –
Doctorate in Clinical Psychology**

This course will emphasize theoretical, conceptual, empirical and clinical issues to better understand the cognitive-affective-behavioral interaction. Areas of concern will include modes of thinking, sensation, visual and other sensory perception, motivation, emotion, concept formation, construction of reality and the self.

PSY608 Social Psychology – Doctorate in Clinical Psychology

This course is designed to help the student understand basic principles and concepts of psychology related to the behavior of individuals in social contexts. Special emphasis is placed upon the social-clinical psychology interface and the role of the clinical psychologist as an applied social psychologist.

**PSY611 Developmental Psychopathology I –
Doctorate in Clinical Psychology**

By integrating a lifespan approach with the development of psychopathology, this course sequence stresses the bilateral interaction between normal and abnormal development. This first course will address the issues from birth through adolescence.

**PSY611a Observation Laboratory in Developmental Psychopathology –
Doctorate in Clinical Psychology**

Students will undertake an extended observation of a child in a school, hospital, daycare, or institutional setting. The emphasis will be on normal developmental stages and tasks. (Must be taken in conjunction with PSY611).

**PSY612 Developmental Psychopathology II –
Doctorate in Clinical Psychology**

This second course in the sequence stresses the bilateral interaction between normal and abnormal development from the adult years through dying and death.

PSY620 Psychopathology – Doctorate in Clinical Psychology

The goal of the course will be to familiarize students with the current diagnostic nosology as well as prominent features associated with psychological disorders.

PSY622 Ethics in Psychology – Doctorate in Clinical Psychology

This course will familiarize the student with the APA Code of Ethics, the Pennsylvania Licensing Law for Psychologists and the Specialty Guidelines for the Delivery of Services. It will also discuss the difference between legal and ethical issues and a variety of professional issues.

**PSY623A Multicultural Competence –
Doctorate in Clinical Psychology**

The intent of this course is to present an overview of issues and methods that will serve as a guide to developing what is now called multicultural competence, i.e. the knowledge, skills and attitudes necessary to understand, communicate with and treat a culturally diverse patient population.

**PSY624 Research I: Research Design and Methodology –
Doctorate in Clinical Psychology**

Course objectives are to understand the basic research designs in clinical psychology, the methodological issues in formulating, planning, designing, implementing, analyzing and interpreting the results of research investigations.

PSY625 Research II – Doctorate in Clinical Psychology

This course is designed to teach students essential concepts in planning, selecting, and conducting and interpreting statistical analyses. Course content includes a review of basic descriptive statistics, sampling theory, hypothesis testing, correlation, regression, and t test, and one way ANOVA, and two way ANOVA, repeated measures ANOVA, and MANOVA. Demonstrations using SPSS are used.

**PSY626 Assessment I: Intelligence Testing –
Doctorate in Clinical Psychology**

This course will identify the relevant issues/criticisms related to intelligence and intelligence testing. Students will be able to administer, score, and interpret the WISC-III, WAIS-R, analyze data and organize in a meaningful way to communicate to the client and prepare complete comprehensive written reports.

**PSY627 Assessment II: Personality Testing (Objectives and Projectives) –
Doctorate in Clinical Psychology**

This course will cover the definition, identification and assessment of a variety of personality functions through the use of objective assessment instruments.

**PSY628 Assessment III: Personality Testing (Objectives and Projectives) –
Doctorate in Clinical Psychology**

This course will cover the definition, identification and assessment of a variety of personality functions through the use of projective assessment instruments. Particular emphasis will be placed on the Rorschach and Thematic Apperception Test (TAT).

**PSY629 Physiological Bases of Behavior –
Doctorate in Clinical Psychology**

This course will introduce the student to the structures and functions of the brain and central nervous system. In addition, the interrelationship between biochemical, physiological and neurological influences on human behavior will be explored.

PSY630 Cognitive Therapy – Doctorate in Clinical Psychology

The two primary goals of this course are to introduce the student to the history, philosophy and Conceptual model of cognitive therapy, and to address the practice issues revolving around models of treatment, standards of care and the importance of empirically validated treatment.

PSY639 Sleep Disorders – Doctorate in Clinical Psychology

The content of this course follows a progression from basic sleep issues, Circadian rhythms and sleep function to methods of evaluating sleep disorders. Common sleep disorders and their treatment will be presented along with sleep issues unique to the child and the elderly. Sleep disturbances associated with mood, anxiety, and other psychological disorders will also be presented.

PSY640 Anxiety Disorders – Doctorate in Clinical Psychology

Anxiety spectrum disorders including generalized anxiety, phobia, panic disorder and obsessive compulsive states will be studied for and conceptual and treatment perspective. Common behavioral, cognitive, medical and affective issues of anxiety will be discussed through a variety of modalities.

PSY641 Affective Disorders – Doctorate in Clinical Psychology

Major depression and bipolar disorders will be the focus of this course. Common behavioral, cognitive, and medical issues of affective disorders will be discussed through a variety of modalities.

PSY642 Personality Disorders – Doctorate in Clinical Psychology

Common behavioral, cognitive, medical, and affective issues in dealing with the patient with personality disorder will be examined. A variety of assessment instruments, including the MMPI I and II, Rorschach, Thematic Apperception Test, Millon Scales will be used.

PSY643 Therapy with Couples – Doctorate in Clinical Psychology

This course will focus on the treatment of dyadic relationships. Various theoretical and technical models of couple based therapy will be discussed and demonstrated.

PSY645 Family Therapy – Doctorate in Clinical Psychology

This course will focus on the treatment of families. Various theoretical and technical models of family based therapy will be discussed and demonstrated.

PSY646 Child/Adolescent Therapy – Doctorate in Clinical Psychology

The treatment of children and adolescents with school, home, social, or intrapersonal difficulties will be covered. Various treatment modalities including outpatient, family, inpatient and residential options will be discussed.

PSY647 Substance Abuse – Doctorate in Clinical Psychology

The abuse of various substances including alcohol, narcotics, caffeine,

nicotine, prescription drugs, and amphetamines will be discussed. Common behavioral, cognitive, medical, and affective issues in dealing with the substance-abusing patient will be discussed.

PSY648 Neuropsychological Assessment – Doctorate in Clinical Psychology

Neurochemistry, neuropsychology, neurophysiology and neuropathology will be covered. Diagnostic and treatment issues of patients with various neurological disorders will be discussed from the medical and psychological perspectives.

PSY649 & 659 Biofeedback I and II – Doctorate in Clinical Psychology

Psychophysiological fact and theory will serve as the basis for training in the specialized therapeutic situation created when individuals are placed in a feedback loop with their own physiological processes.

PSY650 Pharmacology – Doctorate in Clinical Psychology

The psychologist working with the physician must be knowledgeable about the main effects, side effects, and synergistic effects of both psychopharmacologically specific and other medically prescribed drugs. This course will introduce the student to the rationale and choices of drugs used in medical practice.

PSY651 Pain Management – Doctorate in Clinical Psychology

The purpose of this course is to provide an introduction to psychological approaches to the assessment and treatment of patients with acute and chronic pain syndromes. The use of hypnotic techniques will be included.

PSY652, 653, 654, 655 Practicum I, II, III and IV – Doctorate in Clinical Psychology

Minimum of 400 hours including a 2.5-hour weekly seminar at PCOM for three trimesters, and 8 hours/week at practicum site doing evaluation, psychological assessment, psychotherapy, and other work appropriate to the role of a psychologist. Supervision is provided by PCOM faculty or designated supervisors. Additional elective practicum hours are an option. For classes entering 1995-1999, one credit is equivalent to 45 hours of work (at practicum site and practicum seminar); for the class of 2000 and beyond, each credit represents 84 hours of work.

PSY656 Geropsychology – Doctorate in Clinical Psychology

The focus of this course is to examine, in depth, the process and concomitants of aging. The biopsychosocial, medical, physiological, behavioral, and cognitive components are explored.

PSY657 Group Therapy – Doctorate in Clinical Psychology

Group Psychotherapy will examine the unique strengths and “curative” factors associated with this Modality. Boundaries, group composition and other critical aspects of group will be examined. Various group models including cognitive-behavioral, problem solving and other behavioral

approaches, interpersonal and developmental models will be reviewed.

PSY661 Supervision and Administration of Psychological Services – Doctorate in Clinical Psychology

The psychologist working in the 21st century must be proficient in a broad range of skills. These skills will permit the psychologist to function in administrative and executive roles in the mental health-care system.

PSY662 Behavior Therapy – Doctorate in Clinical Psychology

This course is designed to provide an overview of basic assumptions of behavior therapy on the nature of psychopathology and intervention. It will address basic learning principles (i.e., operant and classical conditioning and observational learning). Basic intervention strategies will be reviewed, for example, relaxation training, systematic desensitization, exposure and response prevention, and several others.

PSY663 Behavioral Assessment – Doctorate in Clinical Psychology

The course will cover the fundamentals of behavioral assessment, and will distinguish them from traditional assessment. Psychometric issues will be addressed including reliability, validity, and reactivity of assessment. Methods of assessment to be reviewed include behavioral interviewing, behavioral observation, self-monitoring, cognitive assessment, psychophysiological assessment, and others. Finally, behavioral assessment for a few clinical problems will be discussed.

PSY664 Psychology of Eating Disorders – Doctorate in Clinical Psychology

This course provides an overview of current theory, research, and practice regarding the treatment of anorexia nervosa, bulimia nervosa, and other variants of disordered eating. Clinicians will learn evaluation and treatment planning procedures, with attention to developing the therapeutic relationship and to professional collaboration.

PSY667-670 Internship – Doctorate in Clinical Psychology

Psy.D. students must register for each academic term in which the internship is served.

PSY671-2 Research III – Dissertation Seminar Doctorate in Clinical Psychology

This course will focus on more advanced issues in research design and execution with the goal of enabling the student to develop a dissertation proposal. Issues such as selection of an appropriate design model, subject recruitment and assignment, and selection of proper data analytic models will be covered.

PSY673, 674, 675, and 677 Dissertation Seminar – Doctorate in Clinical Psychology

Students developing and working on their dissertation will meet with Dissertation Committee members and work on their own to complete all the

steps through final approval. Number of credits is determined by year of student's entry into the program and number of terms taken. Psy.D. students who are not registered for internship or course credit must register for 1 credit of dissertation seminar each academic term and summer session until completion of the program.

PSY676 Psychology of Gender – Doctorate in Clinical Psychology

This course will address the differences and similarities between women and men and how they relate to one another. To what extent are gender differences due to biology, to what extent to environment, and to what extent the interaction of the two, as a function of time and place?

PSY680 Comprehensive Exam Review – Doctorate in Clinical Psychology

Students preparing for the comprehensive exams during terms in which no other courses are taken may register for exam review for assistance and access to campus resources.

PUBHL258 Public Health and Biostatistics – 2nd Year Medical

During the third term, this multi-unit course is presented to prepare students with an understanding of public health policy and practices, research methodology and biostatistics/epidemiology. The public health unit presents the fundamentals of health policy, violence prevention, disease control, introduces the fields of environmental and occupational medicine and presents the basic concepts of clinical preventive medicine and special current presentations on bioterror. The biostatistics and epidemiology component focuses on providing the student with an understanding of the statistical methods and concepts necessary for interpretation of medical research and other health sciences literature.

RADIO258 Diagnostic Radiology and Radiation Therapy – 2nd Year Medical

This is a required course, which includes the disease states of all the organ systems with review of both routine and special procedures to correlate with gross pathologic anatomy. The radiation therapy unit includes the role of radiation therapy in the treatment of malignancy.

RADIO358 Clinical Radiology – 3rd Year Medical

A required course of four weeks duration is presented for rotational groups of 16 to 20 students from PCOM, other medical colleges, interns and residents – limited to a total enrollment of 32. The course includes self-instructional seminars, slides (568), rotating film exhibits (300), round table discussions on planning roentgen studies, didactic lectures on specialty areas, seminars and conferences in nuclear medicine, MR, CT and ultrasound, along with learning file of the American College of Radiology and computer images. Instruction is primarily conducted in a specially equipped Radiology Teaching Center in Evans Hall.

SELEC301-302 Junior Selective Clerkship – 3rd Year Medical

Students select a 4-week clinical topic in urology, ophthalmology, orthopedics or otorhinolaryngology in PCOM affiliated hospital or outpatient office.

SELEC401 Ambulatory M4 Clerkship – 4th Year Medical

Selective 4-week clinical rotation in PCOM-affiliated hospital and outpatient offices.

SELC402 Ambulatory Surgery M4 Clerkship – 4th Year Medical

Selective 4-week clinical rotation in PCOM-affiliated hospital and outpatient offices.

SURG269 ENT, Orthopedics, Plastics, General Surgery, Trauma and Vascular – 2nd Year Medical

-General Surgery

Lectures and demonstrations deal with an introduction to the surgical skills including sterile technique, suture technique, surgical diagnosis and pre- and post-operative care. Demonstrations of post-operative methods of diagnosis relative to palpation of related somatic components affecting organic changes are included in the surgical training of the student. Special osteopathic manipulative procedures pre-operatively and post-operatively affecting the convalescence of the patient are demonstrated at the bedside. Suturing and gloving/gowning skills are taught in practical sessions.

-Otolaryngology, Plastic & Reconstructive Surgery, Orthopedics

Basic skills and academic knowledge in orthopedics to supplement the future family practitioner in the routine evaluation of orthopedic problems is presented. Emphasis is placed on the clinical approach of diagnostic and treatment patterns of common disorders of the head and neck area, as well as the extremities. The osteopathic considerations in etiology, diagnosis and treatment of head and neck disorders are discussed. Topics in Plastic and Reconstructive Surgery are addressed.

Lectures and conferences dealing with regional surgery include the study of gross pathology, surgical diagnosis and differential diagnosis. Clinical lectures during the performance of various operations are presented with emphasis placed on diagnosis, treatment and follow-up

SURG364 Clinical Clerkship in Surgery – 3rd Year Medical

Required 4-week clinical rotation in PCOM-affiliated hospital and outpatient offices.

SURG464 Senior Clinical Rotation in Surgery – 4th Year Medical

Required 4-week clinical rotation in PCOM-affiliated hospital and outpatient offices.

UROL263 Renal-Nephro-Urogenital (RNU) – 2nd Year Medical

Students are introduced to the field of adult and pediatric urology by the

members of the Department of Surgery in an integrated unit in which the pathology of the bladder and prostate and diuretic pharmacology and diseases and malformations of the urinary tract are discussed. Lectures from the Internal Medicine Department's Division of Nephrology detail medical diseases of the kidney. Included are the nephritides, vascular, hereditary and degenerative renal diseases, and acute and chronic renal failure with introductions to dialysis and transplantation. In-depth discussions of electrolyte and acid base metabolism as well as hypertension are also provided. Renal physiology and pathology are presented, coordinated with presentations on nephritis, infectious kidney diseases, glomerular disease and renal failure. This course is an integrated effort of the Departments of Medicine, Surgery, Pathology Immunology and Microbiology, and BioMedical Sciences.

ACADEMIC DEPARTMENTS AND FACULTY

The Faculty of PCOM

A highly qualified faculty of certified or board-eligible physicians, scientists and support staff implements the educational goals of the college. Our faculty members are dedicated to the singular purpose of educating students for the skilled and caring practice of osteopathic medicine and other health professions. PCOM has more than 300 full-time and part-time faculty based at our Philadelphia campus. In addition, the academic program is served by more than 700 practicing physician faculty across the country who provide clinical instruction at various affiliated sites as volunteer faculty. In a real sense, medical education at PCOM is carried out by this larger osteopathic family. Faculty concentration and dedication show in the teaching students receive. Faculty appointments are listed under the college departments in which they serve.

Anatomy

Chairman and Professor

Tage N. Kvist, Ph.D.

Professors

Patrick Coughlin, Ph.D.

Mindy George-Weinstein, Ph.D.

Professor Emeritus

Vincent T. Cipolla, D.O.

Richard A. Notzold, Ph.D.

Associate Professors

Camille DiLullo, Ph.D.

Mark Miller, Ph.D.

Michael F. Shank, D.O.

Assistant Professors

Marina DeAngelo, Ph.D.

Michael P. McGuinness, Ph.D.

Clinical Assistant Professor
Joseph P. Guagliardo, D.O.

Instructor
David Cavanaugh, B.S.

Anesthesiology
Professor
Harry Glass, D.O.

Professors Emeriti
Leonard Becker, D.O.
Isadore Lieberman, D.O.
Thomas L. Moy, D.O.

Assistant Professors
Donald Koenigsberg, D.O.
Evan Weiss, D.O.

Adjunct Faculty
The following faculty actively participate in our program
of clinical education:

Ronald H. Allard, D.O.
Ronald L. Buckley, D.O.
Paul H. Crawford, M.D.
Raymond S. Cuzzaniti, D.O.
Howard C. Doughty, D.O.
Reynaldo T. Gannon, M.D.
James Gentile, D.O.
George Hendricks, D.O.
Ronald D. Kratz, M.D.
Daryl List, D.O.
Ta-Shung Lu, M.D.
Bradley S. Parlin, D.O.
Joseph D. Paz, D.O.
Frank E. Rizzo, D.O.
David J. Simons, D.O.
William P. West, D.O.

Biochemistry and Molecular Biology
Chairman and Professor
Ruth D. Thornton, Ph.D.

Professor
Eugene Mochan, Ph.D., D.O.

Associate Professor
Ruth Carter Borghaei, Ph.D.

Assistant Professors

Farzaneh Daghighi, Ph.D.

Theodore Passon, Ph.D.

Instructor

Gregory Gorski, M.D., Ph.D.

Adjunct Faculty

Kevan S. Green, D.M.D.

Biomedical Sciences

Chairman and Professor

Richard Kriebel, Ph.D.

Professors

Charlotte H. Greene, Ph.D.

Frederick Goldstein, Ph.D.

Henry Hitner, Ph.D.

Professor Emeritus

Domenic A. DeBias, Ph.D.

Associate Professor

Peggy E. Stewart, Ph.D.

Assistant Professors

Denah M. Appelt, Ph.D.

Marcus G. Bell, Ph.D.

Clinical Assistant Professor

Robert C. Goldstein, M.D.

Research Assistant Professor

Marc E. Rosenberg, M.D.

Emergency Medicine

Chairman and Professor

John W. Becher, D.O.

Clinical Professor

Bohdan Minczak, Ph.D., M.D.

Clinical Associate Professors

John J. Kelly, D.O.

Steven J. Parrillo, D.O.

Assistant Professors

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Andrea E. Horvath, D.O.
Rosa M. Marino, D.O.
Robert McAndrew, D.O.
Douglas L. McGee, D.O.
Brian A. Nester, D.O.
John F. Reilly, D.O.
Hal R. Tucker, D.O.
Frederick S. Wenger, D.O.

Clinical Assistant Professors

Gary Bonfante, D.O.
Richard S. MacKenzie, D.O.
Alex M. Rosenau, D.O.
Michael S. Weinstock, D.O.
Edwin R. Williams, D.O.
Charles C. Worrilow, D.O.
William E. Zajdel, D.O.

Instructors

Robert G. Dinwoodie, D.O.
Anne L. Miller, D.O.

Clinical Instructors

Gavin Barr, M.D.

Clinical Instructors

Johnny S. Gomes, D.O.
R. S. Magley, M.D.
Gary E. Penner, D.O.
David Richardson, M.D.

Adjunct Faculty

The following faculty actively participate in our program of clinical education:

Robert A. Beyer, D.O.
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Stephen M. Evans, D.O.
James J. Flowers, D.O.
Joan M. Gable, D.O.
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Wen-Haw Liaw, M.D.
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Russell Mazda, D.O.
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Daniel E. Oberdick Sr., D.O.
Andrew J. Panko, D.O.
Thomas E. Paparella, D.O.
Joseph L. Perez, D.O.
Mark A. Persin, D.O.
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Stephen A. Pulley, D.O.
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Leonard P. Ulan, D.O.
Sharon D. Walsh, M.D.
Jennifer L. Waxler, D.O.
Thomas R. Westenberger, D.O.
Thomas J. Ziemba, D.O.
Anthony J. Zinobile, M.D.

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Harold Schrieber, D.O.
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Margaret M. Wilkins, D.O.
Thomas Yaeger, M.D.

Instructors

Carol Bowes-Lawler, D.O.
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Jennifer Prescott-Coraggio, D.O.
Deanna Ligenza, D.O.
Ronald N. Reinhard, D.O.
Todd D. Vladyka, D.O.
Barbara T. Williams-Page, D.O.

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Christine Janouschek, D.O.
Steven C. Lewis, D.O.
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Leo Todd, D.O.

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William J. Gilhool, D.O., Gastroenterology
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Bruce Kornberg, D.O., Cardiology
Pat A. Lannutti, D.O., Preventive & General Medicine
David H. Loughran, D.O., Infectious Diseases
Joseph S. Lubeck, D.O., Neurology
William A. Nickey, D.O., Nephrology
Stephen M. Purcell, D.O., Dermatology
Michael A. Venditto, D.O., Pulmonary Medicine

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Israel Feldman, D.O.
Albert J. Fornace, D.O.
Walter Willis, D.O.

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Lawrence Paolini, D.O.
Daniel Parenti, D.O.

Associate Professors

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Edward J. Strauss, D.O.
David S. Tabby, D.O.

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Edward G. Hamaty Jr., D.O.
Burton Mass, M.D.
Howard M. Rosner, D.O.

Assistant Professors

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J. Greg Brady, D.O.
Scott A. Bralow, D.O.
Bonnie J. Gardner, D.O.
Frank Guinn, D.O.
Kenneth L. Herman, D.O.
Joseph S. Kenney, D.O.

Kenneth A. Knowles, D.O.
Hollace D. Leppert, D.O.
Marc W. Levin, D.O.
Michael K. Sallen, D.O.
Marvin Schatz, D.O.
Steven L. Zelenkofske, D.O.

Clinical Assistant Professors

Donald J. Adler, D.O.
David J. Batluck, D.O.
Robert H. Biggs, D.O.
Karen E. Bowles, M.D.
Julia B. Brody, M.D.
Coyle S. Connolly, D.O.
Carl G. DiJoseph, D.O.
James H. Dovnarsky, M.D.
Eric V. Finkenstadt, M.D.
Patricia A. Ford, M.D.
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Elliott B. Frank, D.O.
Richard A. Gambescia, M.D.
Stephen J. Gordin, M.D.
Robert W. Grunberg, M.D.
Kenneth D. Hoellen, M.D.
Frank S. James, M.D.
Richard E. Kaufman, M.D.
Arthur L. Levine, D.O.
Robert J. Levy, M.D.
Ronald L. Lewis, D.O.
Steven Lichtenstein, D.O.
Jay B. Lipschutz, D.O.
David M. Loss, D.O.
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Regina F. Olasin, D.O.
Jonathan P. Oline, D.O.
Bruce R. Piccone, D.O.
Domenic Pisano, D.O.
Harvey A. Salem, D.O.
Thomas J. Salvucci, D.O.
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Margo L. Waitz, D.O.

Instructors

Cheryl A. Branen, D.O.
Paul H. Caviness, D.O.
Elizabeth A. Fitzgerald, D.O.
Steven M. Geller, D.O.
Harold J. Milstein, M.D.
Stephen M. Schleicher, M.D.

Clinical Instructors

William M. Antonelli, D.O.
Margaret Boufal, D.O.
Robert J. Bulgarelli, D.O.
Anthony Clay, D.O.
Robert J. Finkelstein, D.O.
Jeffrey D. Gould, D.O.
Michael D. Kimzey, D.O.
John J. Kravitz, M.D.
Richard T. Leshner, D.O.
Scott A. Sulman, D.O.

Adjunct Faculty

The following faculty members actively participate in our program of clinical education:

Gary A. Aaronson, D.O.
James C. Alden, M.D.
Appollo M. Arenus, M.D.
Berel B. Arrow, D.O.
Alfonso J. Barbati, D.O.
Raymond R. Beatty, D.O.
Neil D. Belman, D.O.
Jeffrey S. Berns, M.D.
Ronald M. Block, M.D.
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Richard M. Brantz, D.O.
Edward C. Brennan Jr., D.O.
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Thomas V. Brislin, D.O.
Jon E. Brndjar, D.O.
David Bronstein, D.O.
John B. Bulger, D.O.
Theodore Burden, M.D.
Carol M. Chou, M.D.
Leif E. Christiansen, D.O.
Raphael M. Cohen, M.D.
Carl S. Colombo, D.O.
Frank W. Corbally, D.O.
Ernest J. Davis Jr., D.O.
Daniel C. DuPont, D.O.
George R. Dy, M.D.
Gustav R. Eles, D.O.
Ira M. Epstein, D.O.
William A. Esper, D.O.
Barry M. Fabius, M.D.
Andrew T. Fanelli, D.O.
Frank G. Farone, D.O.
Arthur M. Feldman, M.D.
Neil H. Feldman, D.O.

Bruce A. Feldman, D.O.
William H. Fink, M.D.
John P. Fitzgibbons, D.O.
Armand Formica, D.O.
Brian G. Friedrich, D.O.
Anthony B. Furey, D.O.
Kevin P. Furey, D.O.
Martin F. Gavin, D.O.
Eric J. Gertner, D.O.
Gene H. Ginsburg, D.O.
Bruce S. Gilmore, M.D.
Michael G. Goldner, D.O.
Russell L. Gombosi, M.D.
Charles A. Gordon, D.O.
Elihu N. Goren, M.D.
Bruce H. Grossinger, D.O.
Drew S. Harrison, D.O.
Jeffrey L. Hassel, M.D.
Steven G. Heckenluber, D.O.
Margaret L. Hoffman, D.O.
Charles Hurwitz, D.O.
Mark A. Illfelder, D.O.
Anthony Infantolino, M.D.
William F. Iobst, D.O.
Richard H. Jeffries, D.O.
Melanie Jewell, M.D.
Thomas John, M.D.
Jonathan W. Kamen, D.O.
Gina M. Karess, M.D.
John M. Kauffman Jr., D.O.
Dana S. Kellis, M.D.
Julia M. Kennedy, D.O.
John A. Kabelstis M.D.
Jay E. Klohn, M.D.
Bryan W. Kluck, D.O.
David E. Knox, M.D.
Nelson P. Kopyt, D.O.
Michael J. Krug, D.O.
Thomas F. Kurland, D.O.
William Lamb, D.O.
Robert J. Laskowski, D.O.
Benjamin G. Lazarus, D.O.
W. Rowland Leedy, D.O.
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Lawrence J. Leventhal, M.D.
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George Lieb, M.D.
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John H. Nipple, D.O.
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Robert P. Oristaglio, D.O.
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Michael A. Panariello, D.O.
Rajesh Patel, M.D.
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William H. Roberts, J.D.
Jan L. Weinstock, J.D.

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Anthony R. Piccolo, D.O.
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Steven R. Sheppard, D.O.
Lane K. Shima, D.O.
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Richard L. Turner, D.O.
Paul E. Visneski, D.O.
Peter R. Warrington, D.O.

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Donald L. Adams, M.D.
Stephen J. Andrews, D.O.
Harvey Bryant, Jr., D.O.
Bruce Carnivale, D.O.
Scott Epstein, D.O.
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Meena V. Phatak, M.D.
Robert Schwartz, M.D.
Shiben S. Shah, M.D.
Douglas F. Smith, D.O.
Daniel I. Weber, M.D.
Ellen G. Wood, D.O.

Instructor

Kim L. Schuster-DuBois, M.D.

Clinical Instructors

Nick S. Tsirakoglou, M.D.

Susan E. Vasbinder, M.S.Ed.

Adjunct Faculty

The following faculty actively participate in our program of clinical education.

Robert S. Auerbach, D.O.

Neil D. Bluebond, D.O.

Gregory C. Bolton, M.D.

Hernan R. Brizuela, M.D.

David B. Klebanoff, M.D.

Gregory M. Lang, M.D.

Steven Richman, M.D.

Jay Sivitz, M.D.

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Professor Emeritus

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John R. Gimpel, D.O.

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Robert A. Weisberg, D.O.

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Christopher T. Laseter, D.O.

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Lawrence J. Bellew, D.O.
Hal S. Bendit, D.O.
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Harry A. Cooper, D.O.
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Lynn F. Sumerson, D.O.

Associate Professor

Paul M. Imber, D.O.

Assistant Professor

Benjamin S. Chack, D.O.

Clinical Assistant Professor

Mahmoud Ghaderi, M.D.

Clinical Instructors

Brian J. Broker, M.D.
Laurence V. Cramer, D.O.

Adjunct Faculty

The following faculty actively participate in our program of clinical education:

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Abby S. Brodtkin, D.O.
Claude J. DiMarco, D.O.
Bernard C. McDonnell, D.O.
Joseph P. Olekszyk, D.O.

Lee D. Rowe, M.D.
Edward A. Tomkin, D.O.
Karl V. Whitley, M.D.

Pathology & Microbiology and Immunology

Professor & Chairman

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Professors Emeriti

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Walter Ceglowski, Ph.D.
Justice James, D.O.

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Bruno J. Bromke, Ph.D.
Kerin L. Fresa, Ph.D.
Bruce Kleger, D.P.H.

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Christos D. Katsetos, M.D.

Visiting Professor

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Associate Professor

Susan Hingley, Ph.D

Assistant Professor

Rani Bright, M.D.

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Gregory McDonald, D.O.

Instructor

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Adjunct Instructor

Thor Nilsen, B.S.

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Assistant Professors

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Izola David, D.O.

Clinical Assistant Professor

Mareyann Mancano, M.D.

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The following faculty actively participate in our program of clinical education at off-campus sites:

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Judith H. Hipple, D.O.

Lynne Y. Mann, D.O.

Pamela Y. McCarter, M.D.

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Kathryn S. Moffett, M.D.

Joshua A. Rabinowitz, D.O.

Lawrence S. Rosenberg, M.D.

Dipanwita Roy, M.D.

Steven A. Shapiro, D.O.

Burce R. Tilton, D.O.

Jill E. Valuch, D.O.

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Adjunct Faculty

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Kristin Klien, PA-C

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Walter Matkiwsky, D.O.

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John M. McCafferty, M.D.

Charlotte E. Morris, M.S., M.H.A., PA-C

Pamela T. Mullen, PA-C

Thomas P. O'Donnell, M.D.

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Richard Vause, PA-C
Michael L. Yorgensen, PA-C

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Assistant Professor

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Wesley E. Sowers, M.D.
Mitchell Schwartzman, D.O.
Ben Taitelbaum, M.D.
Mahmood A. Usman, M.D.

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Nell Rocio, M.D.
Mohammad Qasim, M.D.
Hani Zaki, M.D.

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The following faculty actively participate in our program of clinical education:

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David J. Rissmiller, D.O.

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David P. Mayer, M.D.
Barry N. Siskind, M.D.

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Scott Naftulin, D.O.

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Clinical Assistant Professor

Seth Jaffe, D.O.

Clinical Instructor

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Arnold B. Glassman, D.O.
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Joshua Krassen, D.O.
Diego Moaless, M.D.
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Richard Kanoff, D.O., Neurologic Surgery
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John J. McPhilemy, D.O., Orthopedic Surgery
Arthur J. Sesso, D.O., General Surgery

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Clinical Professor

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Ted S. Eisenberg, D.O.
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Roger Y. Wong, D.O.

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James J. Tayoun, D.O.

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Walter L. Gerber, D.O.
Claire M. Higgins, D.O.
David McCloskey, M.D.
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Frederick A. Reichle, M.D.
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Adjunct Faculty

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Joseph C. Benedetto, D.O.
Andrew S. Blackstone, D.O.
Fernando B. Bonanni, M.D.
Richard C. Boorse, M.D.

Walter J. Boris, D.O.
Otto B. Brdlik, D.O.
William P. Brown, D.O.
Joseph P. Cardinale, D.O.
Daniel C. Carneval, D.O.
Danilo Castro, M.D.
Joseph P. Cavorsi, M.D.
Jeffrey H. Chaby, D.O.
Bruce T. Chau, D.O.
J. Norris Childs, M.D.
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Larry Cohen, D.O.
Joseph T. Costic, D.O.
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Raymond D. Dragann, D.O.
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Rex A. Herbert, D.O.
Albert S. Heyman, D.O.
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Robert R. Kaneda, D.O.
Gregory S. Keagy, D.O.
Jeffrey A. Keyser, D.O.
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William L. Kliefoth, D.O.
Glenn A. Kline, D.O.
Patrick J. Lenahan, M.D.
Clayton C. Lindenmuth, D.O.
Russell D. McCormick, D.O.
Marian P. McDonald, D.O.
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Lynne B. McGrath, M.D.
David Meir-Levi, D.O.
Alan J. Meltzer, M.D.
Stephen L. Miller, M.D.
Anthony A. Minissale, D.O.

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Dean A. Nachtigall, D.O.
Willard L. Noyes, D.O.
Brendan J. O'Brien, D.O.
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James P. O'Neill, D.O.
David S. Parker, D.O.
Michael D. Pasquale, D.O.
Federico A. Pedguero, M.D.
Walter C. Peppelman Jr., D.O.
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Ignacio Prats, D.O.
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Edward H. Ridings, D.O.
Ronald N. Rosenfeld, D.O.
Peter F. Rovito, D.O.
Michael Rutberg, M.D.
Robert C. Scott, D.O.
P. G. Scott, D.O.
Kamalesh T. Shah, M.D.,
Paul M. Simonelli, D.O.
Paul J. Sisbarro, D.O.
Robert J. Skalicky, D.O.
Patti Ann Stefanick, D.O.
James N. Stengel, D.O.
Francis P. Sutter, D.O.
Chris G. Theodoran, D.O.
Garry J. Thomas, M.D.
Edward J. Uberti, D.O.
Philip G. Vitelli, D.O.
Raymond L. Weiland, D.O.
Richard J. Westcott, M.D.

FACULTY COMMITTEES – 2001-2002

All members listed held appointment in the respective committees for both the 2000-2001 and 2001-2002 academic years unless a single year of appointment is noted in parentheses.

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Burton Mark, D.O.

Laura Molloy, B.S., PA-C

Kenneth Veit, D.O.

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Theodore Mauer, D.O.

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Eva Placentra-Sesso, D.O.

Kenneth Veit, D.O.

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Mark Miller, Ph.D.

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Robert DiTomasso, Ph.D.

Michael Huber, MMS, PA-C

Robert Cuzzolino, Ed.D.

Carol Fox, M.M.

Kenneth Veit, D.O.

ADMISSIONS

Chairperson – Carol Fox, M.

Wayne Arnold, D.O. (2000-2001)

Ruth Borghaei, Ph.D.

Robert Cuzzolino, Ed.D.

Susan Dallas-Feeney, D.O.

Dennis Guest, D.O.

Kristi Johnson, D.O.

Burton Mark, D.O. (2000-2001)

Michael McGuinness, Ph.D.

Izola David, D.O.

Paul DeJoseph, D.O. (2000-2001)

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Alumni

The Alumni Association of PCOM

The Alumni Association of Philadelphia College of Osteopathic Medicine was formed on September 8, 1902, three years after the first physician graduated from the Philadelphia College and Infirmary of Osteopathy. The purpose of the Alumni Association is to act as liaison between the College and its nearly 8,000 living D.O. alumni who practice throughout the United States, in eight foreign countries and in every branch of the military service. In addition, the Association encourages the promotion of PCOM to prospective students and provides financial support for excellence in osteopathic education. Contributions to the Alumni Association support the increasingly critical programs and services underwritten by the Association.

Throughout the year, the Alumni Association sponsors programs that benefit our members and current medical students. The Alumni Student Loan Fund provides financial aid to third and fourth year class members. The International Neurology Fellowships enable students to do clerkships in Italy and with the National Institutes of Health in Washington D.C. The Student Activities and Stipend Fund supports students and student organizations with unique educational opportunities. The Alumni Association Scholarship assists exceptional second year students with tuition expenses. The Alumni Association takes an active interest in student life, hosting the first year survivor picnic, assisting with expenses for the second year National Board luncheon and providing tokens of appreciation for all students. The Association also helps underwrite the student Primary Care day and places ads in the student Follies program and the Synapsis Yearbook. Information on PCOM alumni is available to students pursuing electives and preceptorships across the country. For our alumni members,

the Alumni Association provides pocket calendars and supports their participation in the PCOM Golf Classic. The annual Alumni Weekend is scheduled at the College during Commencement weekend. Alumni return to campus to renew friendships at their respective quinquennial class reunions. The Alumni Association underwrites a large part of the expenses associated with this weekend in addition to honoring each member of the 50-year graduating class with a special medallion.

Alumni Association programs and services are supported by alumni and by the College. When PCOM students graduate and receive their D.O. degrees, they are welcomed into the Alumni Association of PCOM.

For more information, please contact:
Florence D. Zeller
Vice President for Alumni Relations and Development
215-871-6120 or 800-739-3939

PCOM Alumni Association

**THE ALUMNI ASSOCIATION OF
PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE**

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Alumni Association for Graduate Programs of Philadelphia College of Osteopathic Medicine

A new Alumni Association for Graduate Programs is forming for PCOM graduate degree alumni. The Alumni Association will act as a liaison between the College and graduate alumni throughout the United States. Service orientation programs will be created including alumni/student mentoring and career workshops.

The Office of Alumni Relations and Development will administer the Alumni Association for Graduate Programs and keep alumni notified of key developments. Graduates of these programs are urged to send their career and personal news to the College for inclusion in Class Acts for publication in Digest and on the PCOM web page.

Graduates – June 2000

DOCTOR OF OSTEOPATHIC MEDICINE

Matthew Francis Aiken
Canton, MA
B.A., Fairfield University

Marie Elizabeth Alden
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B.S., The Pennsylvania State University

Paul David Allegretti
Oreland, PA
B.A., La Salle University

Cecilia Bernadette Alvarado
Daytona Beach, FL
B.S., University of Central Florida

Stephen Francis Andrews
Nutley, NJ
B.S., Georgia Institute of Technology
M.S., Georgia Institute of Technology

Todd D. Applegate
Ridgeway, VA
B.S., Western States Chiropractic College

Seeta Arjun
West Lawrence, NY
B.S., York College of City University of New York

Rebecca Ann Armbruster
Philadelphia, PA
B.S., Hahnemann University

Brian Averell
Middletown, NJ
B.S., Rutgers – The State University

John Michael Aversa
Woodbridge, CT
B.S., Quinnipiac College

Edward Kenneth Avila
Port Chester, NY
B.S., Manhattan College

Bradley Milan Bacik
Hunting Valley, OH
B.A., Miami University of Ohio
M.S., Miami University of Ohio

R. Scott Baeder
Annapolis, MD
B.S., Salisbury State University

Kelly Christopher Baldwin
Somerville, MA
B.A., Providence College

Loren Yvette Ballestas
Miami Beach, FL
B.A., University of Pennsylvania

Kelly Hindman Barki

Wellsboro, PA

B.S., Bethany College

Barbara Suzanne Barnard

Norfolk, VA

B.A., Virginia Polytechnic Institute and State University

M.S., The American University

Robert Brian Barnes

Allentown, PA

B.S., University of Richmond

Matthew James Barry

Rochester, NY

B.S., State University of New York at Brockport

B.S., Clarkson University

Janine Mary Barsoum

Newtown Square, PA

B.S., The Pennsylvania State University

M.S., Duquesne University

Carrie Lynn Bassett

State College, PA

B.S., Widener University

Kristen Anne Berry

Philadelphia, PA

B.A., University of Pennsylvania

Alessandro Bianchi

Wilmington, DE

B.S., Muhlenberg College

Richard Lee Biggs

Asheville, NC

B.S., North Carolina State University

M.P.H., The George Washington University

Keith Andrew Boell

Doylestown, PA

B.S., Bloomsburg University of Pennsylvania

Eric Sean Bohn

Douglassville, PA

B.S., Ursinus College

Hassan Borghei
King of Prussia, PA
B.S.E.E., Temple University
M.S., Philadelphia College of Osteopathic Medicine

George Johnstone Bowen
Plymouth Township, PA
B.S.N., Philadelphia University

Michael John Bradley
Pottsville, PA
B.S., Susquehanna University

John William Brinker
Stroudsburg, PA
B.S., East Stroudsburg University

Theodore Robert Brown
East Earl, PA
B.S., United States Military Academy at West Point

Patrick James Bruscia
Hatfield, PA
B.S., The Pennsylvania State University

Christopher Forbes Buckley
Allentown, PA
B.S., Bucknell University

Jonathan Joseph Burke
Bridgewater, NJ
B.A., Rutgers – The State University

Curt William Cackovic
Lancaster, PA
B.S., Villanova University

Brian Mark Campbell
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B.S., Villanova University

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M.S., Hahnemann University

Michael Joseph Carr
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B.A., St. Anselm College
M.S., Clemson University

Edward Thomas Casey
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B.A., The Pennsylvania State University

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Holly Engle Metzgar

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Kwon Thomas Miller

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Michael L. Miller

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Rosalee Kay Miller

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Joseph Moeller

Bensalem, PA

B.A., University of Delaware

Melissa Pandora Murray

Bronx, NY

B.A., Ithaca College

Christopher A. Neglia
Frederick, MD
B.A., La Salle University

Truong Huu Nguyen
Philadelphia, PA
B.S., Ursinus College
M.S. Drexel University

John Nicasio
New York, NY
B.S., The City College of New York

Jennifer Anne Novotney
Potomac, MD
B.A., Dartmouth College
M.A., Boston University School of Medicine

Joseph Bruno Nyzio, Jr.
Philadelphia, PA
B.S. in Pharm., Philadelphia College of Pharmacy and Science

Edward R. O'Dell
Phoenixville, PA
B.S., Montclair State College
D.C., Palmer College of Chiropractic

Andrew Ogden
Hollidaysburg, PA
B.S., Juniata College

David O'Neill
Cheltenham, PA
B.A., Temple University

James Paul Ohr
Greensburg, PA
B.S., Allegheny College

Michael J. Orris
Frackville, PA
B.S., Saint Joseph's University
M.B.A., Saint Joseph's University

Craig Richard Oser
Huntingdon Valley, PA
B.B.A., Temple University

Pierre Khatchadour Palandjian
Peckville, PA
B.S., Wilkes University

David Jason Patton
Northumberland, PA
B.S., Grove City College

John William Peters, II
Freeland, PA
B.S., University of Pittsburgh

Matthew Gennaro Pinto
Voorhees, NJ
B.A., Lehigh University

Vasilios I. Pittas
Quakertown, PA
B.A., Beaver College

Greg Leland Potter
Colorado Springs, CO
B.A., Colorado State University

Carolyn E. Pozesky
Langhorne, PA
B.S., Villanova University

Thomas J. Presenza
Philadelphia, PA
B.S., Saint Joseph's University

Jeannie Louise Price
Hummelstown, PA
B.S., The Pennsylvania State University

Jennifer Christine Reap
Scranton, PA
B.S., University of Scranton

Ronald Allen Rimer
Butler, PA
B.S., Grove City College

Jessica Lyn Roberts
Philadelphia, PA
B.S., Loyola College
M.S., Philadelphia College of Osteopathic Medicine

Judy Jennifer Roberts
Philadelphia, PA
B.S.N., The Pennsylvania State University

Michael Anthony Romeo

DuBois, PA

B.S., Allegheny College

Adam S. Rosen

Richboro, PA

B.S., State University of New York at New Paltz

Lisa Ann Rossell-Seed

Voorhees, NJ

B.A., College of Notre Dame of Maryland

M.S., Johns Hopkins University

Kathy Lynn Rumer

Line Lexington, PA

B.S., Ursinus College

Andrew Ruppertsberger

Newtown, PA

B.A., La Salle University

Jason John Sanderson

New Bloomfield, PA

B.S., University of Pittsburgh

Monique Scally

Drexel Hill, PA

B.S.W., Temple University

Bradford Joseph Scanlan

Lewistown, PA

B.S., Juniata College

Sharon Lee Schadle Baer

Harrisburg, PA

B.A., Franklin and Marshall College

Kathleen M. Schaeffer

Yardley, PA

B.S., University of Scranton

Christopher Michael Schulze

Nazareth, PA

B.S., University of Miami

William Salvatore Scialla

Clarks Summit, PA

B.S., University of Scranton

Matthew David Scripps
Lower Burrell, PA
B.S., Gannon University

Matthew Ray Seely
Farmington, UT
B.A., University of Utah

Michael William Semelka
North East, PA
B.S., The Pennsylvania State University

Pallavi J. Shah
Fairless Hills, PA
B.S., The George Washington University

Timothy John Shanahan
Schuylkill Haven, PA
B.S., The Pennsylvania State University

Ajay Sharma
Moon Township, PA
B.S., Washington and Jefferson College

Brian Raymond Shunk
Douglassville, PA
B.S., The Pennsylvania State University

Michael Brian Silber
Livingston, NJ
B.S., Muhlenberg College

Eileen Patricia Simak
Nazareth, PA
B.S., King's College
M.B.A., Saint Joseph's University

Jaime Jude Simon
Springfield, PA
B.S., Iowa State University

Robin Jean Simpson
Warminster, PA
B.S., Ursinus College

Anita Jane Marie Sinese
Philadelphia, PA
B.S., Temple University

J. Andrew Skiendzielewski
Danville, PA
B.S., Dickinson College

Christopher Louis Spizzieri
Steelton, PA
B.S., Elizabethtown College
M.S., The Pennsylvania State University

Michele Straka
Montague, NJ
B.S., Cedar Crest College

Benjamin M. Stenzler
Columbia, MD
B.A., University of Delaware

Jennifer Ellen Strong
Lansdale, PA
B.S., Barry University

Italo A. Subbarao
Hollidaysburg, PA
B.S., Duquesne University
M.B.A., Saint Joseph's University

Karen Ann Szczepanski
Schenectady, NY
B.S., Cornell University

Suzann Szewczak
Chalfont, PA
B.S., Gwynedd Mercy College

David John Thomas
Hermitage, PA
B.A., Allegheny College

Darlene Yvonne Tinsley
Cleveland Heights, OH
B.A., John Carroll University

John P. Tortu, Jr.
Bristol, PA
B.S., Rowan University

Shawn Michael Tweedt
Athens, PA
B.S., University of Scranton

Michelle Vasko
Philadelphia, PA
B.S., University of Rochester

Shannon Lee Vitelli
Audubon, PA
B.S., Gwynedd Mercy College

Kendra Fawn Waters
Wellsboro, PA
B.S., Albright College

Kevin Robert Weaver
Johnstown, PA
B.S., Juniata College

Andrew Mark Weinberg
Westport, CT
B.S.M.E., Lehigh University
M.S.M.E., University of Virginia

Holly E. Weiner
Madison, WI
B.A., Temple University

Robert L. Wellner
Bethlehem, PA
B.S., University of South Carolina
M.B.A., Temple University

Suzanne Leigh Widmer
Whitehall, PA
B.S., Kutztown University

Melanie Ann Williams
Somerdale, NJ
B.S., Ursinus College

Michael Darwin Wingfield
Gastonia, NC
B.A., Belmont Abbey College

Harry Jeffrey Wright
North Huntingdon, PA
B.A., Canisius College

Assy Yacoub
Allentown, PA
B.S., The Pennsylvania State University

Jonathan Yujung Yun
Philadelphia, PA
B.S., Philadelphia College of Pharmacy and Science

Christopher Yusko
Greensburg, PA
B.S., Indiana University of Pennsylvania

Michael Joseph Zappitelli, Jr.
Blue Bell, PA
B.S., Gwynedd Mercy College

Elleda Claire Ziemer
Quakertown, PA
B.A., Franklin and Marshall College

MASTER OF SCIENCE

-Dermatology

Tanya Ermolovich, D.O.
Philadelphia College of Osteopathic Medicine
Class of 1995

-Obstetrics and Gynecology

Melissa L. Delaney, D.O.
Philadelphia College of Osteopathic Medicine
Class of 1993

-Urology

Stephen J. Yanoshak
Philadelphia College of Osteopathic Medicine
Class of 1990

OSTEOPATHIC MANIPULATIVE MEDICINE FELLOWSHIP PROGRAM

Victoria Louise Falcone
John P. Tortu, Jr.

DO/MBA PROGRAM

The following members of the DO Class of 2000 received the Master of Business Administration degree from Saint Joseph's University on May 16, 1998.

John Matthew DiMuro
Stefan Vincent Franciosa
Michael J. Orris
Italo A. R. Subbarao

DO/MPH PROGRAM

The following members of the DO Class of 2000 received the Master of Public Health degree from Temple University on May 24, 1998.

Howard Brian Goldstein
Eileen Patricia Simak

DOCTOR OF PSYCHOLOGY

Clinical Psychology

Susan Fralick Ball
Blue Bell, PA
B.S. LaSalle University
M.S.N. Gwynned Mercy College

Louis Bevilacqua
Dowington, PA
B.A. Shippensburg University
M.Ed. Lehigh University

Lily Woo Bollinger
Medford, NJ
B.A. Kings College
M.Ed. Georgia State University

Gina Fusco
Yardley, PA
B.S. Chestnut Hill College
M.S. Chestnut Hill College

Thomas Smith
Kingston, PA
B.A. Bloomsburg University
M.A. Marywood College

MASTER OF SCIENCE IN HEALTH SCIENCES/PHYSICIAN ASSISTANT STUDIES

Sonia Saporito Alford
Plymouth Meeting, PA
A.S. Hahnemann University
B.S. Louisiana State University

Donnel Apuzzio
Lewisburg, PA
B.A. Bucknell University

Emily J. Bear
Medford, NJ
B.S. University of Delaware

Rebecca L. Castagna
Wilmington, DE
B.S. University of Delaware

Christiane M. Fischer
Randolph, NJ
B.S. Villanova University
B.S. Pennsylvania State University

Matthew Hay
Morton, PA
B.S. West Chester University

Ellen L. Kozlowski
Clarks Summit, PA
B.S. Shippensburg University

Nicole Colette Kozma
Stratford, NJ
B.S. Pennsylvania State University

Paul J. Krajewski
Delran, NJ
B.S. East Stroudsburg University
M.Ed. Temple University

Jeffrey T. Kummery
Perkasie, PA
B.A. Temple University

Kristen S. Lehmann
Tabernacle, NJ
B.S. Richard Stockton College of New Jersey

Thomas A. Luce
Levittown, PA
B.S., M.Ed. Temple University

Amy L. McDermott
York, PA
B.S. Bloomsburg University

Minal Patel
Newark, DE
B.A.S. University of Delaware

John P. Ranonis, Jr.
Philadelphia, PA
B.S. Villanova University

Deborah A. Ryan
Lansdale, PA
B.S. University of Pittsburgh
M.S. East Stroudsburg University

Colleen M. Tempest
Millersville, PA
B.S. Shippensburg University

Kimberly A. Thompson
Harrisburg, PA
B.A., B.S., Shippensburg University

MASTER OF SCIENCE IN BIOMEDICAL SCIENCES

Jarrid C. Bernhardt
Philadelphia, PA
B.S. Tulane University

Jeffrey Karl Kiki
Wilmington, DE
B.S. Washington State University

Jennifer Marie Malsbury
Lansdowne, PA
B.S. St Joseph's University

Katie McCarthy
Kennett Square, PA
B.A. Rosemont College

Michael Douglas White
Sterling, VA
B.S. Longwood College

CERTIFICATE OF RESPECIALIZATION IN CLINICAL PSYCHOLOGY

Barbara Bole Williams, Ph.D.
Pitman, NJ
B.A. Muskingum College
Ph.D. Temple University

Rosemary B. Mennuti, Ed.D.
Wenonah, NJ
B.A. Glassboro State College
M.S. Glassboro State College
Ed.D. Virginia Technical University

Robert Joseph Murray, Ph.D.
Villanova, PA
B.S. Villanova University
Ph.D. Temple University

AWARDS – 2000

THE CHRISTIAN R. AND MARY F. LINDBACK FOUNDATION AWARD FOR DISTINGUISHED TEACHING

This award by the trustees of the Christian R. And Mary F. Lindback Foundation is given in recognition of distinguished teaching by a member of the faculty of Philadelphia College of Osteopathic Medicine:

Oliver Bullock, D.O.

THE DEAN'S AWARD

To those members of the graduating medical class who by personal and professional conduct and by contributions to student affairs and to the general program of Philadelphia College of Osteopathic Medicine have been deemed worthy of special citation as recipients of the Dean's Award:

Marie Elizabeth Alden
Edward Thomas Casey
Kathleen M. Schaeffer

THE ALUMNI ASSOCIATION AWARD

Awarded by the Alumni Association of Philadelphia College of Osteopathic Medicine to that member of the graduating medical class who has been selected because of the high caliber of performance of professional duties in the hospital and outpatient services:

Kathleen M. Schaeffer

THE JOHN H. EIMERBRINK, D.O. MEMORIAL AWARD

Awarded to those members of the graduating medical class who in the opinion of the members of the department of osteopathic manipulative medicine have shown exceptional ability in the use of osteopathic philosophy and osteopathic manipulative treatment:

John P. Tortu, Jr.

THE DEAN ARTHUR M. FLACK AND BELLE B. FLACK MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the graduating medical class who has been selected as most proficient in the practice of internal medicine:

Roger Thiel Getts, Jr.

THE WILBUR P. LUTZ, D.O. MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the graduating medical class who has been selected as the most proficient in physical diagnosis:

Matthew Robert Kozma

THE WILLIAM F. DAIBER, D.O. MEMORIAL AWARD

Awarded to that member of the graduating medical class who has been selected on the basis of exceptional ability in the field of cardiology:

Matthew Manning Collins

THE FREDERIC H. BARTH MEMORIAL AWARD

Awarded to that member of the graduating medical class who has been selected on the basis of excellence in the field of bronchopulmonary and upper respiratory disease:

Rebecca Ann Armbruster

THE KENNETH L. WHEELER, D.O. MEMORIAL AWARD

Awarded to that member of the graduating medical class whose interests and achievements in didactic and clinical Radiology studies have been of high order:

John Matthew DiMuro
Stefan Vincent Franciosa

THE HAROLD C. WADDEL, D.O. MEMORIAL AWARD

This award is given to that member of the graduating medical class, upon recommendation of the staff of the department of obstetrics and gynecology, for exceptional competence in obstetrics and gynecology:

Carolyn E. Pozesky

THE H. WILLARD STERRETT, D.O. AND H. WILLARD STERRETT, JR., D.O. MEMORIAL AWARD

Awarded upon recommendation of the division of urology to that member of the graduating medical class who has been selected on the basis of proficiency in urology:

Jamison Seth Jaffe

THE GALEN S. YOUNG, SR., D.O. AWARD

Awarded upon recommendation of the department of surgery to that member of the graduating medical class who has shown exceptional interest and ability in the field of surgery:

Kathy Lynn Rumer

THE JESSE M. YOUNG MEMORIAL AWARD

Presented by the Friends of Philadelphia College of Osteopathic Medicine and awarded to that member of the graduating medical class for exceptional service to the community or to the college:

Jeannie Louise Price

THE WILLIAM H. DICKERSON, D.O. MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the graduating medical class who has achieved exceptional competence in the field of infectious disease:

T. Daniel Harrison

THE FRIEDA O. VICKERS, D.O. AND MAJOR JAMES VICKERS FAMILY PRACTICE AWARD

Awarded upon recommendation of the department of family practice to that member of the graduating medical class who has been selected as most proficient in the field of family medicine:

Benjamin M. Stenzler

THE DR. THOMAS M. ROWLAND, JR. SCHOLAR-ATHLETE AWARD

Awarded upon recommendation of a special committee of alumni, administration, faculty and staff and representatives of athletic programs to that member of the graduating class who has shown academic excellence in basic and clinical sciences and who has participated in and contributed to one of the college's organized sports programs:

Jacqueline Reardon Jones

Jaime Jude Simon

SIGMA ALPHA OMICRON

A gold key and certificate are awarded to those graduates meeting the requirements of the Sigma alpha Omicron Honorary Society. Election is based on maintenance of high scholarship in didactic work:

Michael L. Miller

Brian Averell

T. Daniel Harrison

THE PCOM STUDENT MEMORIAL AWARD

Presented by Philadelphia College of Osteopathic Medicine in memory of those students who passed away before graduating as osteopathic physicians: Homer Mackey, Lewis Rossman, D. Neil Grove, Richard F. Campo, Paul G. Moscato, Marianne C. Filipczyk, Peter McLaughlin, Jr., Clifford G. Dorf, Anthony J. Di Michele, Joseph R. Krobert, David M. Atlas, Jr., Michelle M. Andrews, John D. Kearney . . . Awarded to that member of the graduating medical class who attained the highest scholastic average in didactic study:

Michael L. Miller

THE PENNSYLVANIA OSTEOPATHIC MEDICAL ASSOCIATION AWARD

Awarded to that student recognized as an outstanding medical graduate upon recommendation of the faculty and administration of PCOM in consultation with the Awards Committee of the Pennsylvania Osteopathic Medical Association:

Victoria Louise Falcone

2000 EXCELLENCE IN EMERGENCY MEDICINE AWARD

Awarded by the Society for Academic Emergency Medicine to a senior medical student who has demonstrated excellence in the specialty of emergency medicine:

Dolores Roman Hoey

THE SIMMY GINSBURG HUMANITARIAN AWARD

Presented by the family of Simmy Ginsburg to that graduating student who has shown him or herself to be not only a strong and conscientious medical student but also one who has demonstrated integrity, kindness, compassion, empathy, a love of life and who has had a positive impact on the lives of his or her fellow students, medical colleagues and patients:

THE LEONARD H. FINKELSTEIN, D.O. AWARD

Nicole Christine Chiappetta

MEDICAL SOCIETY OF EASTERN PENNSYLVANIA AWARD

Awarded by the Philadelphia Chapter of the National Medical Association to medical students who demonstrate outstanding leadership qualities and community service:

Lori S. Eanes

1998

STUDENT SERVICE AWARD

Awarded to a second year medical student in recognition of outstanding service to his/her fellow students, his/her school, or community.

Kathleen M. Schaeffer

1998

MASON W. PRESSLY MEMORIAL AWARD

Awarded by the Council of Student Council Presidents, a component of the American Association of Colleges of Osteopathic Medicine, to an osteopathic medical student on the basis of service to the college, community and profession:

Alison J. Leff

THE SARA SOMERS RUPERT SENIOR STUDENT HUMANITARIAN AWARD

This award is presented at graduation to the senior Physician Assistant student who has demonstrated an ongoing commitment to those in need. The recipient exemplifies the philosophy of health care service and compassion above self:

Amy L. McDermott

Graduates – June 2001
DOCTOR OF OSTEOPATHIC MEDICINE

Sara Alexandra Abbruzzi
Gulph Mills, PA
B.S., Ursinus College

Russell L. Adams
Byram, NJ
B.S., Muhlenberg College

Patrick Adler
Levittown, PA
B.S. King's College

Mary Ailis Aiken
Andrews, PA
B.S., University of Scranton

James G. Allen
Philadelphia, PA
B.S.N., Thomas Jefferson University

Kenneth Michael Andrejko
Edwardsville, PA
B.A., University of Pennsylvania

Jennifer Ruth Axelband
Bethlehem, PA
B.S., Muhlenberg College

Shane Brandon Banks
Neosho, MO
B.S., United States Air Force Academy

Michaelene Ann Bardo
Catawissa, PA
B.S., Gannon University

Kathleen Elizabeth Barrett
Scranton, PA
B.S., The Pennsylvania State University
M.S., The Pennsylvania State University

Michael Patrick Barrett
Pennsauken, NJ
B.A., Rutgers – The State University

Patricia Laura Barsanti
Iselin, NJ
B.S., Rutgers – The State University
M.S., Montclair State University

Omar Javid Bashir
Pittsburgh, PA
B.S., The Pennsylvania State University

Jennie-Corinne Rebecca Baublitz
York, PA
B.A., Franklin and Marshall College

Femabelle Ruth Bautista
Greensburg, Pa
B.S., University of Notre Dame

Ian Michael Baxter
Tarentum, PA
B.S., California University of Pennsylvania

Andrew McKelvy Bayles
Marrietta, GA
B.S., Loyola College

Lev Belder
Philadelphia, PA
B.S., Temple University

Christopher John Bellicini
Monongahela, PA
B.S., Duquesne University

Michael Griffith Benninghoff
New Hope, PA
B.S., Muhlenberg College
M.S., Philadelphia College of Osteopathic Medicine

Stacy Marie Bishop
Clarks Summit, PA
B.S., University of Scranton

Robert F. Borden, Jr.
Lawrenceville, NJ
B.S. in Pharm., Philadelphia College of Pharmacy and Science

Alvin Jay Bradford
Takoma Park, MD
B.S., Livingstone College

Douglas Wesley Brenneman
York, PA
B.S., Juniata College

Carmen B. Brown
Salisbury, Md
B.S., Salisbury State University

Kenneth Ray Bunning
Medford, NJ
B.A., Rutgers – The State University
M.S., United States Marine Corps Command and Staff College

Jennifer Kathlynn Burke
Springfield, PA
B.A., University of Pennsylvania

Mark Chris Burne
Scranton, PA
B.S., Barry University
M.B.A., Saint Joseph's University

Jehrib Mendegorin Cabarlo
Harrisburg, PA
B.S., University of Pittsburgh
M.B.A., Saint Joseph's University

Marc Calabrese
Malvern, PA
B.A., Lehigh University

Kristin Kay Campbell
Butler, PA
B.S., The Pennsylvania State University

Michael Andrew Campbell
Franklin, PA
B.S., Mariatta College

Robert D. Cannon
Kingston, PA
B.S., Gettysburg College

Rita Christina Carabello
Philadelphia, PA
B.A., Temple University

Wayne A. Cardoni
Wilkes-Barre, PA
A.B., Princeton University

Leo Alfred Carney, III
Bradford, PA
B.S., Messiah College

Georges I. Chamoun
Wilkes-Barre, PA
B.S., Syracuse University

Lori A. Chapleskie
Allentown, PA
B.A., The Pennsylvania State University

Peggy Chien
Clarks Summit, PA
B.S., Georgetown University

Louis C. Cimorelli, Jr.
Doylestown, PA
B.S. Albright College

Robin Marie Katra Ciocca
Nanticoke, PA
B.S., King's College

Vincenzo Ciocca
Philadelphia, PA
B.S., Temple University

Raymond Joseph Clydesdale
Philadelphia, PA
B.S., Grace College

Eric Thomas Cochran
Upper Black Eddy, PA
B.A., Temple University
M.S., Philadelphia College of Osteopathic Medicine

Glenn Robert Cohen
Willow Grove, Pa
B.S., The Pennsylvania State University

Christopher J. Colosimo
Bradford, PA
B.S., University of Pittsburgh

Sean Adam Connelly
North Huntingdon, PA
B.S., Allegheny College

Raymond Scott Cook
Pottsville, Pa
B.A., Bloomsburg University of Pennsylvania
B.S., The Pennsylvania State University

Scott Anthony Coradi
Erial, NJ
B.S., Villanova University

John Donato Joseph D'Angelo
Philadelphia, PA
B.S., Muhlenberg College

Amy Lynn Davis
Glenside, PA
B.S. Tulane University
M.S. Philadelphia College of Osteopathic Medicine

Robert Warren Davis
Lavelle, PA
B.S. in Pharm., Philadelphia College of Pharmacy and Science

Dana Dellapiazza
Cecil, PA
B.A., Washington and Jefferson College

Brian Anthony DelVecchio
Old Forge, PA
B.S. in Pharm., Massachusetts College of Pharmacy

Deepak Narayan Deshmukh
Sayre, PA
B.S., Boston College
M.A., Boston University

Geraldine Diaz-Renz
Union City, CA
B.S., San Francisco State University

Carl Patrick DiLella
Wayne, NJ
B.A., Georgetown University

Steven G. Dimitriou
Stanhope, NJ
B.S., Rutgers – The State University
M.S., The Pennsylvania State University

Timothy Ryan Draper
Chattanooga, TN
B.S., Middle Tennessee State University

Jeremy Vaughan Edwards
Santa Barbara, CA
B.S., United States Military Academy

Jon Zachary Elliott
Fayetteville, Pa
B.S., James Madison University

Patrick Cyrus Fall
Hollidaysburg, PA
B.S., Juniata College
M.S. Fairleigh Dickinson University

Suzanne Reim Fanning
Erie, PA
B.S., The Pennsylvania State University

Michael Samuel Felder
Lawrenceville, NJ
B.A., Franklin and Marshall College

Delvon Irwin James Ferguson, Sr.
New York, NY
B.S., Temple University

Andrew Gillett Ferris
Harrison Township, MI
B.S., Michigan State University

Michael Findura
Brick, NJ
B.S., Daemen College

James Joseph Flaig
Mardela Springs, MD
B.S., Salisbury State University

Michael James Foote
Newtown, PA
B.A., Purdue University

Scott Ian Forman
Cherry Hill, NJ
B.A., Rutgers – The State University

Christopher Daniel Fucito
Scranton, PA
B.S., The Pennsylvania State University

Jeffrey Gerard Fusco
Smithtown, NY
B.S., University of Notre Dame

Chad Dominic Galderisi
Hopwood, PA
B.A., Washington and Jefferson College

Thomas Quinn Gallagher
Garden City, NY
B.S., Boston College

Constance Elizabeth Gasda
Bethlehem, PA
B.S., Villanova University

Jeffrey Gellis
Erie, PA
B.S., Tulane University

Alexandria Negoescu George
Wescosville, PA
B.S., Muhlenberg College

Bruce Gene Gershenhorn
Randolph, NJ
B.A., Lehigh University

Joshua Gary Gibbs
Huntingdon Valley, Pa
B.S., Muhlenberg College

Karin Marie Gingerich
Mt. Wolf, Pa
B.S., Grove City College

David A. Glusko
Seward, PA
B.S., Indiana University of Pennsylvania

Taylor Katherine Goodnough
Cooperstown, NY
B.A., Wake Forest University

Julius Pepper Goslin, III
New Providence, PA
B.S., Houghton College

Timothy J. Gray, II
Forest Gove, OR
B.S., Oregon State University
M.B.A., Saint Joseph's University

Mary Pearl Greiss-Coult
Mertztown, PA
B.S., Ursinus College

Nicholas Anthony Grimaldi
Somers, NY
B.S., College of Charleston

Alison Rebecca Guckes
West Chester, PA
B.A., Dickinson College

Stephen John Gunn
Garden City, NY
B.A., University of Pennsylvania

Jennifer Rebecca Hampton-Montavon
Williamsport, PA
B.S., University of Notre Dame

Charles Christopher Harootunian
Walpole, MA
B.S., Boston College

Jocelyn Enszy Harris
Charlotte, NC
B.S., University of North Carolina

Keith Webb Harris, II
Mattituck, NY
B.S., Muhlenberg College

Liam A. Haveran
Chatham, MA
B.S., University of Massachusetts

Kelly Denise Heiland
Lehigh, PA
B.S., Muhlenberg College

Charles Kenneth Heller, III
Milton, PA
B.S., University of Pittsburgh
M.S., Philadelphia College of Osteopathic Medicine

Michelle Henning
Jim Thorpe, PA
B.S., University of Scranton

Cheryl Ann Hilton
Philadelphia, PA
B.S., Widener University

Heidi Rose Hodder
Gillett, PA
B.S., Bloomsburg University of Pennsylvania

Jonathan William Hodgson
Chestertown, MD
B.S., Albright College

Carl Raymond Hoegerl
Saegertown, PA
B.S., Gannon University

Shawn Michael Holden
Spring Grove, PA
B.S., Ursinus College
M.S., Philadelphia College of Osteopathic Medicine

Ian Dennis Holgado
Egg Harbor Township, NJ
B.S., Villanova University

Amy Leigh Hollihan
Allison Park, PA
B.S., Villanova University

David Allen Hollobaugh, Jr.
St. Marys, PA
B.S., The Pennsylvania State University

Mimi Huynh
Philadelphia, PA
B.S., University of Pennsylvania

Jacob Hyppolite
Bensalem, PA
B.S., Cornell University

Brent Steven Ingerick
Wellsboro, PA
B.S., Mansfield University of Pennsylvania

Brian Robert Irwin
Damascus, MD
B.A., University of Delaware

Emad Gamal Iskandar
Pittsburgh, PA
B.S., University of Pittsburgh

Brian K. Janney
Madison, WI
B.S., Delaware State University

Arthur Jones
Charleston, SC
B.S., North Carolina State University
M.A., The Citadel

Michael Anthony Jones
Greenville, PA
B.A., Washington and Jefferson College

Helen J. Karalis
Upper Darby, PA
B.S., Temple University

Louis Matthew Kareha
Avoca, Pa
B.S., Shippensburg University of Pennsylvania

Amy Heather Kaufer
Pittsburgh, PA
B.S., The Pennsylvania State University

Michael Dwayne Kelly
Gainesville, FL
B.S., Florida Agricultural and Mechanical University

Leigh Auletta Kennedy
Watertown, NY
B.S., Siena College

Helen Khusid

Holland, PA

B.A., La Salle University

Kelly Marie Kiernan

Buckingham, PA

B.A., Barnard College

Michael D. S. Kim

Chattanooga, TN

B.A., B.A., University of Tennessee

M.A., Villanova University

Millicent A. King

Brooklyn, NY

B.S., Barnard College

M.A., Teachers College

Lori Angelina Kingsley

Newtown, PA

B.S., West Chester University of Pennsylvania

Jeffrey Kenneth Kingsley

Scranton, PA

B.S., University of Scranton

M.S., University of Scranton

Kelly Lynn Huber Kline

Lancaster, PA

B.A., Franklin and Marshall College

Michael Kouyoumdjian

Philadelphia, Pa

B.S., Drexel University

Michael Aaron Krafchick

West Chester, PA

B.S., University of Virginia

M.B.A., Saint Joseph's University

John Edward Kulcsar

Andover, MA

B.S., University of Dayton

Stephen Matthew Lago

Easton, Pa

B.S., Kutztown University of Pennsylvania

Jocelyn Frances Law
Kutztown, Pa
B.S., University of Arizona

Vasilios Panagiotis Lazos
Manchester, NH
B.A., College of the Holy Cross
M.S., Philadelphia College of Osteopathic Medicine

Michael Lester Levin
Narberth, Pa
B.S., Muhlenberg College

Seth Adam Levin
Lake St. Louis, MO
B.A., University of Missouri

Sharee Lynn Livingston
Harrisburg, PA
B.S., Saint Joseph's University

Heather Lee Lockner
Lancaster, PA
B.S., Villanova University

Jason Stanley Lotkowski
Penn Valley, PA
B.S., Saint Joseph's University

Brian Scott Luetke
West Bend, WI
B.A., Swarthmore College

Quan Thuc Luong
Saigon, Vietnam
B.S., Westminster College

Leslie Maria Lazore Mack
DuBois, PA
B.S., Allegheny College

Walcharee Cindy Mahamitra
Philadelphia, PA
B.A., University of Pennsylvania

Andrew James Marcantonio
Monroe, CT
B.S., University of Massachusetts

Claudia Hughes Marcozzi
Cinnaminson, NJ
B.A., Brown University

Heather Leigh Markovitz
Fort Washington, PA
B.A., Cornell University

Timothy Casey McCullough
Syracuse, NY
B.A., Colby College
M.B.A., Saint Joseph's University

Karen Luke McGhee
Erieville, NY
B.S., University of Notre Dame
M.A., Boston University

Christine Marie McGinley
Deptford, NJ
B.A., La Salle University
M.S., Philadelphia College of Osteopathic Medicine

Scott Thomas McNear
Mill City, PA
B.S., University of Scranton

Darren Menditto
Oakhurst, NJ
B.S., Temple University

Eugenio L. Menendez
Miami, FL
B.S., Florida International University

Doug Richard Miller
Pittsburgh, PA
B.A., University of Pennsylvania

Greg W. Miller
Allentown, PA
B.A., Taylor University

Russel Stuart Miller, Jr.
Mount Laurel, NJ
B.S., West Chester University of Pennsylvania

Mark Christopher Molnar

Tyrone, PA

B.S., Juniata College

Maria M. Mountis

Lancaster, PA

B.S., Saint Joseph's University

Laura Anne Murray

Aberdeen, Scotland

B.A., Temple University

Neil Adam Mushlin

Penn Valley, PA

B.S., Muhlenberg College

M.B.A., Saint Joseph's University

Jonathan J. Myers

Osceola Mills, Pa

B.S., Gannon University

Michael S. Neff

Washington Township, NJ

B.S., Rowan University

M.S., Philadelphia College of Osteopathic Medicine

Christine Patricia Newman

Southampton, PA

B.A., Temple University

Vy Janet Ngo

Harrisburg, PA

B.S., The Pennsylvania State University

Kevin William O'Donnell

West Chester, PA

B.A., Randolph-Macon College

Matthew O'Donnell

Plymouth Meeting, PA

B.S., Bucknell University

Wendy Susanne Olinick

Limerick, PA

B.A., Immaculata College

M.M., The Pennsylvania State University

Thomas Matthew Oram

Yardley, PA

B.A., Mansfield University of Pennsylvania

Concetta Rose Oteri-Ahmadpour

New Britain, CT

B.S., Philadelphia College of Pharmacy and Science

Kevin Wayne Ott

Bangor, PA

B.S., The Pennsylvania State University

Hiral Patel

Philadelphia, PA

B.S., Saint Joseph's University

Amy Yaeger Paul

Pueblo, CO

B.S., United States Military Academy

Michael Joseph Paul

Woolwich Township, NJ

B.S., Rowan University

Todd Allen Pepper

Seaford, DE

B.S., Philadelphia College of Pharmacy and Science

Lorianne Elizabeth Pereira

Buffalo, NY

B.S., Canisius College

Christopher Michael Porter

Greensburg, PA

B.S., University of Pittsburgh

Alexander Steven Simeon Poulathas

Ventnor, NJ

B.S. in Pharm., Philadelphia College of Pharmacy and Science

Anuj Prashar

Springfield, VA

B.S., George Mason University

David Christopher Raab

West Chester, PA

B.S., University of Arizona

Reginald Lyon Reginella
Pittsburgh, PA
B.S., University of Pittsburgh
M.S., University of Pittsburgh

Dennis Kristopher Reilly
Hilltown Township, PA
B.S., Bloomsburg University of Pennsylvania

Kristie Margevich Ressler
Hughesville, PA
B.A., Lycoming College

Rose A. Ressner
Willow Grove, PA
B.S., Ursinus College

Jeffrey Allan Reyer
Apollo, PA
B.S., Saint Vincent College

John Nicholas Riccardo, Jr.
West Chester, Pa
B.S., Drexel University
M.B.A., Saint Joseph's University

Christopher Brian Rogers
Shavertown, PA
B.S., B.A., Wilkes University

Joseph Marc Roglieri
Kingston, NY
B.A., State University of New York at Binghamton
M.S., State University of New York at Buffalo

Melissa June Rose
Gallitzin, PA
B.S., Juniata College

Eric Thomas Roslonski
Scottdale, PA
B.S., Saint Vincent College

Deborah Marie Rowlands
Murrysville, PA
B.S., James Madison University

Jasen D. Rowles
Olanta, PA
B.S., Bloomsburg University of Pennsylvania

Susan Diane Rygelski
Beaumont, PA
B.A., Indiana University of Pennsylvania
B.S., Indiana University of Pennsylvania

Steven Frank Santangelo
Staten Island, NY
B.S., Boston College

Todd Christopher Schaeffer
Dillsburg, PA
B.S., Wake Forest University

Kevin E. Schlegel
Valley View, PA
B.S., The Pennsylvania State University

Scott Kenneth Schonewolf
Harrisburg, PA
B.S., Wilkes University

Purvi Pradip Shah
Ebensburg, PA
B.S., Juniata College

Steven Douglas Shay
Myerstown, PA
B.S., Muhlenberg College

Melissa Marie Gopez Sheehan
Wilmington, DE
B.S., University of Pennsylvania
M.B.A., Saint Joseph's University

Ryan Todd Shelly
Mechanicsburg, PA
B.S., Grove City College

Anthony A. Shiflett
Baltimore, MD
B.S., Elizabethtown College

Faith Cheryl Silberman
Suffern, NY
B.A., State University of New York at Binghamton

Alyssa Lynne Simone
Denville, NJ
B.A., Rutgers – The State University

Dana Michele Skuzinski
West Chester, PA
B.A., Franklin and Marshall College

Eric Douglas Smith
Manville, NJ
B.S., Juniata College

Jeffrey Allen Smith
Bloomington, MN
B.S., Rider University

William E. Sotack, Jr.
Hazleton, PA
B.A., Bloomsburg University of Pennsylvania

Christopher Lynne Stark
Skippack, PA
B.S., Villanova University

John Anthony Stash
Wyoming, PA
B.S., University of Scranton

Eric Christian Steen
Philadelphia, PA
B.S., East Stroudsburg University of Pennsylvania

Brett Steinberg
Farmingville, NY
B.S., State University of New York at Binghamton

Jeffrey Neal Stoneberg
Upper St. Clair, PA
B.S., The Pennsylvania State University

Erik Stephen Storm
Sarasota, FL
B.S., North Carolina State University

Gregory Matthew Stout
Lehigh, PA
B.S., Muhlenberg College

Joel Lynn Strohecker
Mansfield, PA
B.S., Mansfield University of Pennsylvania

Lori Michelle Sweitzer
Centreville, MD
B.S., Western Maryland College

Joshua Charles Sysak
Pittsburgh, PA
B.S., Duquesne University

Raquel Maria Szlanic
Sellersville, PA
B.S., Ursinus College

Laurel Anne Toffey
Philadelphia, PA
B.S., United States Military Academy

Scott Christopher Tomaine
Carbondale, PA
B.S., Villanova University

Darren Michael Traub
Allentown, PA
B.S., Tufts University

Melanie Beth Uhrin
Greensburg, PA
B.S., Saint Vincent College

William Horace Ulmer, Jr.
Chadds Ford, PA
B.S., Villanova University

Bethany Ann Uphold
Point Marion, Pa
B.A., Washington and Jefferson College

Amanda J. Vaglia
Honey Grove, Pa
B.A., Washington and Jefferson College

Dominic John Valentino, III
Philadelphia, PA
B.A., La Salle University

Jason Noah Vieder
West Bloomfield, MI
B.S., University of Michigan
M.S., Wayne State University
M.B.A., Saint Joseph's University

Scott Allan Vota
Elizabeth, PA
B.S., Allegheny College

Patrick Francis Walsh
Green Lane, PA
B.S., Philadelphia College of Pharmacy and Science

Kevin Thomas Washington
Lansing, MI
B.A., Michigan State University

Susan Sibbald Watson
Gunnison, CO
B.A., Western State College of Colorado

Sheri Lynn Weber
Filion, MI
B.S., Oakland University

Michael Andrew Welsh
East Norriton, PA
B.S., Saint Joseph's University

Heather Joy Wilcox
New Castle, PA
B.S., Gannon University

Jessica Anne Wilson
Bethesda, MD
B.S., University of Maryland

Christopher James Wong
Philadelphia, PA
B.A., University of Pennsylvania

John Dimitrios Xenidis
Thessaloniki, Greece
B.S., Temple University

Edgar H. Zambrano
Irvington, NJ
B.A., Rutgers – The State University

Jennifer Lynn Zannini
Barrington, RI
B.S., Syracuse University

Geoffrey Carl Zarrella
Rockaway, NJ
B.S., Albright College

Alexia Mascilli Zgurzynski
Pittsburgh, PA
B.S., Allegheny College

OSTEOPATHIC MANIPULATIVE MEDICINE FELLOWSHIP PROGRAM

David Glusko
Mary Pearl Greiss-Coult
Concetta Rose Oteri-Ahmadpour
Kevin Thomas Washington

DO/MBA PROGRAM

The following members of the DO Class of 2001 received the Master of Business Administration degree from Saint Joseph's University on May 15, 1999.

Mark Chris Burne
Jehrib Mendegorin Cabarlo
Timothy J. Gray, II
Michael Aaron Krafchick
Timothy Casey McCullough
Neil Adam Mushlin
Melissa Marie Gopez Sheehan
Jason Noah Vieder

DEGREES IN COURSE
AUGUST 25, 2001

DOCTOR OF PSYCHOLOGY

William R. Korey
Philadelphia, PA
B.A. Temple University
M.S., J.D., L.L.M. University of Bridgeport

James Patrick Mahan
Danville, PA
B.A. LaSalle College
M.A. LaSalle University

CERTIFICATE OF RE-SPECIALIZATION IN CLINICAL PSYCHOLOGY

Cynthia A. Candelaria
West Chester, PA
B.S., M.A. George Peabody College
Ed.D. Vanderbilt University

MASTER OF SCIENCE IN CLINICAL HEALTH PSYCHOLOGY

Tricia L. Ball
Williamstown, NJ
B.A. Rowan University

Deborah Olivia Gibbs
Chester, PA
B.A Temple University
M.S. Philadelphia College of Osteopathic Medicine

Suzanne Marie Simmers
Philadelphia, PA
B.A. University of Scranton

Audrey Elaine Taormina
Pine Hill, NJ
B.A. Richard Stockton College

MASTER OF SCIENCE IN BIOMEDICAL SCIENCE

Kimberly Ann Baldwin
Boothwyn, PA
B.A. George Mason University

Christopher Cavallaro
Philadelphia, PA
B.A. LaSalle University

Heidi Danielle Dorfman
Reading, PA
B.A. University of Pennsylvania

Karen Lynn Flotildes
Wildomar, CA
B.A. Loyola Marymount University

Timothy J. Harrison
Philadelphia, PA
B.A. Ithaca College

Joseph Alexis Ignacio
Hastings, PA
B.S. Juniata College

Kosunique Jenkins
Randallstown, MD
B.S. University of Maryland

Anita V. Ketty
Harrisburg, PA
B.S. Lehigh University

Suzanne Kuttler
Oreland, PA
B.A. LaSalle University

Emily Lawrence
Saugus, MA
B.S. Syracuse University

John Patrick McMahon
Hermitage, PA
B.A. Duquesne University

Dolly Mishra
Pilesgrove, PA
B.S. Ursinus College

Stacy Parker
Philadelphia, PA
B.S. Drexel University

Thomas Justin Pirosko
McMurray, PA
B.S. Carnegie Mellon University

Melissa Aries Platz
Langhorne, PA
B.S. Hahnemann University

Donna Lynn Winter
Langhorne, PA
B.S. Elizabethtown College

MASTER OF SCIENCE IN HEALTH SCIENCES – PHYSICIAN ASSISTANT STUDIES

Desiree A. Antonacci
Norristown, PA
B.S. West Chester University

Tammy Jo Bucari
Fairless Hills, PA
B.S. University of the Sciences in Philadelphia

Marie Chen
Cherry Hill, NJ
B.S. University of the Sciences in Philadelphia

John Philip Conza
Virginia Beach, VA
B.S. University of the State of New York

Nadine Angela Ennis
Clarkston, GA
B.S. Medgar Evers College

Kevin John Gallen
Valley, PA
B.S. Georgia Institute of Technology
M.S. The University of Mississippi

Keefe Giffin
Glendora, NJ
B.S. University of The Sciences in Philadelphia

Brian Philip Green
Philadelphia, PA
B.S. York College of Pennsylvania

Tiffany Ann Griffith
Closter, NJ
B.A. Rutgers University
M.S. Philadelphia College of Osteopathic Medicine

Linda Elaine Grove
Norristown, PA
B.S. West Chester University

Bee Millicent Arleen Heeney
Doylestown, PA
B.S. Ursinus College

Melissa Katherine Hoffman
Conshohocken, PA
B.S. Villanova University

Alexander Iskandar
Royal Palm Beach, FL
B.S. Penn State University

Abrin "Abby" Jacobson
Philadelphia, PA
B.S. University of Pittsburgh

Roxanne Matkiwsky
Short Hill, NJ
B.S. Rutgers University-Cook College

Nicole Miller
Philadelphia, PA
B.A. LaSalle University

Kristin Elizabeth Notz
Danville, PA
B.A. Bucknell University

Constantine Joseph Pappamihel
Philadelphia, PA
B.S. The George Washington University

Betsy Philip
Upper Darby, PA
B.S. University of the Sciences in Philadelphia

Joanne E. Richard
Lincoln Park, NJ
B.S. Grove City College

Erin Frances Richards

Media, PA

B.S. Boston University

Susan Wilson Rosen

King of Prussia, PA

B.S. East Stroudsburg University

Julie I. Street

Muncy Valley, PA

B.S. Penn State University

John D. Verna

Philadelphia, PA

B.S. Temple University

Marie Hong Vu

Philadelphia, PA

B.S. Lockhaven University

Laura E. Wildman

Wayne, PA

B.S. West Chester University

Kelly A. Zakszeski

Nazareth, PA

B.S. University of Sciences

MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY

(awarded in recognition of doctoral degree candidacy)

Hannelore Barberi

Iris Baughman

Patricia Beldotti

T. Lynne Bennett

Claudia Blackburn

John Blue

Marian Bova

Flora Casallas

Janice Cunningham

David Day

Ellen Spandorfer Denenberg

Michael Dolan

Sherri Edelman

Sharon Elwell

Yvonne Foster

Christine Ganis

Any Genierser-DeRosa

Dawn Gullette-Crosson
Robert Guillard
James Jackson
Michael Kinney
Virginia Koutsouros
Valerie Lemmon
Lisa Lenz
Leah Longan
Stephen Mack
Nancy Madden
Monica Malone
Donna Martin
Roya McCloskey
Rori Minissale
Paula Mittleman
Carole Moretz
Thomas Morey
Virginia Murphy-Reiley
Marilyn Mussomeli
Marni Nutkowitz
Dorothy Parke
Cheryl Patchin
Lynn Rosenthal
Carolyn Rutherford
Jesus Salas
Carol Schober
David Schmoyer
John Seasock
Stacey Summers
Barbara Sulik
Judith Stern
Karen Tanner
Jordan Weisman
Beverly White
Karyne Wilmer
Joseph Wysocki
Carrie Yurica

AWARDS – 2001

THE CHRISTIAN R. AND MARY F. LINDBACK FOUNDATION AWARD FOR DISTINGUISHED TEACHING

This award by the trustees of the Christian R. And Mary F. Lindback Foundation is given in recognition of distinguished teaching by a member of the faculty of Philadelphia College of Osteopathic Medicine:

Kerin L. Fresa, Ph.D.

THE DEAN'S AWARD

To those members of the medical graduating class who by personal and professional conduct and by contributions to student affairs and to the general program of Philadelphia College of Osteopathic Medicine have been deemed worthy of special citation as recipients of the Dean's Award:

Raymond Scott Cook
Heather Leigh Markovitz

THE ALUMNI ASSOCIATION AWARD

Awarded by the Alumni Association of Philadelphia College of Osteopathic Medicine to that member of the medical graduating class who has been selected because of the high caliber of performance of professional duties in the hospital and outpatient services:

Peggy Chien

THE JOHN H. EIMERBRINK, D.O. MEMORIAL AWARD

Awarded to those members of the medical graduating class who in the opinion of the members of the department of osteopathic manipulative medicine have shown exceptional ability in the use of osteopathic philosophy and osteopathic manipulative treatment:

Mary Pearl Greiss-Coult

THE DEAN ARTHUR M. FLACK AND BELLE B. FLACK MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the medical graduating class who has been selected as most proficient in the practice of internal medicine:

Dominic John Valentino, III

THE WILBUR P. LUTZ, D.O. MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the medical graduating class who has been selected as the most proficient in physical diagnosis:

Michael Joseph Paul
Steven Frank Santangelo

THE WILLIAM F. DAIBER, D.O. MEMORIAL AWARD

Awarded to that member of the medical graduating class who has been selected on the basis of exceptional ability in the field of cardiology:

Michael Lester Levin

THE FREDERIC H. BARTH MEMORIAL AWARD

Awarded to that member of the medical graduating class who has been selected on the basis of excellence in the field of bronchopulmonary and upper respiratory disease:

Bethany Ann Uphold

THE KENNETH L. WHEELER, D.O. MEMORIAL AWARD

Awarded to that member of the medical graduating class whose interests and achievements in didactic and clinical Radiology studies have been of high order:

Erik Stephen Storm

THE HAROLD C. WADDEL, D.O. MEMORIAL AWARD

This award is given to that member of the medical graduating class, upon recommendation of the staff of the department of obstetrics and gynecology, for exceptional competence in obstetrics and gynecology:

Sharee Lynn Livingston

THE H. WILLARD STERRETT, D.O. AND H. WILLARD STERRETT, JR., D.O. MEMORIAL AWARD

Awarded upon recommendation of the division of urology to that member of the medical graduating class who has been selected on the basis of proficiency in urology:

Timothy Casey McCullough

THE GALEN S. YOUNG, SR., D.O. AWARD

Awarded upon recommendation of the department of surgery to that member of the medical graduating class who has shown exceptional interest and ability in the field of surgery:

Kenneth Ray Bunning

THE JESSE M. YOUNG MEMORIAL AWARD

Presented by the Friends of Philadelphia College of Osteopathic Medicine and awarded to that member of the medical graduating class for exceptional service to the community or to the college:

Christine Patricia Newman

THE WILLIAM H. DICKERSON, D.O. MEMORIAL AWARD

Awarded upon recommendation of the department of internal medicine to that member of the medical graduating class who has achieved exceptional competence in the field of infectious disease:

Andrew James Marcantonio

THE FRIEDA O. VICKERS, D.O. AND MAJOR JAMES VICKERS FAMILY PRACTICE AWARD

Awarded upon recommendation of the department of family practice to that member of the medical graduating class who has been selected as most proficient in the field of family medicine:

Timothy Ryan Draper

THE DR. THOMAS M. ROWLAND, JR. SCHOLAR-ATHLETE AWARD

Awarded upon recommendation of a special committee of alumni, administration, faculty and staff and representatives of athletic programs to that member of the medical graduating class who has shown academic excellence in basic and clinical sciences and who has participated in and contributed to one of the college's organized sports programs:

Kenneth Michael Andrejko

SIGMA ALPHA OMICRON

A gold key and certificate are awarded to those graduates meeting the requirements of the Sigma alpha Omicron Honorary Society. Election is based on maintenance of high scholarship in didactic work:

Jennifer Ruth Axelband
Kathleen Elizabeth Barrett
Brian Anthony DelVecchio
Joshua Gary Gibbs

Emad Gamal Iskandar
Amy Heather Kaufer
Andrew James Marcantonio
Anthony Albert Schiflett

THE PCOM STUDENT MEMORIAL AWARD

Presented by Philadelphia College of Osteopathic Medicine in memory of those students who passed away before graduating as osteopathic physicians: Homer Mackey, Lewis Rossman, D. Neil Grove, Richard F. Campo, Paul G. Moscato, Marianne C. Filipczyk, Peter McLaughlin, Jr., Clifford G. Dorf, Anthony J. Di Michele, Joseph R. Krobert, David M. Atlas, Jr., Michelle M. Andrews, John D. Kearney . . . Awarded to that member of the medical graduating class who attained the highest scholastic average in didactic study:

Anthony Albert Shiflett

THE PENNSYLVANIA OSTEOPATHIC MEDICAL ASSOCIATION AWARD

Awarded to that medical student recognized as an outstanding graduate upon recommendation of the faculty and administration of PCOM in consultation with the Awards Committee of the Pennsylvania Osteopathic Medical Association:

Constance Elizabeth Gasda

2001 EXCELLENCE IN EMERGENCY MEDICINE AWARD

Awarded by the Society for Academic Emergency Medicine to a senior medical student who has demonstrated excellence in the specialty of emergency medicine:

Scott Anthony Coradi

THE SIMMY GINSBURG HUMANITARIAN AWARD

Presented by the family of Simmy Ginsburg to that graduating medical student who has shown him or herself to be not only a strong and conscientious medical student but also one who has demonstrated integrity, kindness, compassion, empathy, a love of life and who has had a positive impact on the lives of his or her fellow students, medical colleagues and patients:

Joseph Marc Roglieri

THE LEONARD H. FINKELSTEIN, D.O. AWARD

The Leonard H. Finkelstein, D.O. Award for exhibiting excellence in compassionate concern for patients was created in the year 2000 by Bobbie and Gene Shaid in memory of Bobbie. The award is in recognition of Dr. Finkelstein's commitment to outstanding patient care and is presented to that member of the graduating class who has demonstrated these qualities:

Millicent A. King

THE IRVING S. ROGOVE, D.O. MEMORIAL AWARD

Awarded to that member of the medical graduating class who has been selected on the basis of excellence in the field of Geriatrics:

Scott Kenneth Schonewolf

MEDICAL SOCIETY OF EASTERN PENNSYLVANIA AWARD

Awarded by the Philadelphia Chapter of the National Medical Association to medical students who demonstrate outstanding leadership qualities and community service:

Alvin Jay Bradford

STUDENT SERVICE AWARD

Awarded to a second year student in recognition of outstanding service to his/her fellow students, his/her school, or community.

Raymond Scott Cook

MASON W. PRESSLY MEMORIAL AWARD

Awarded by the Council of Student Council Presidents, a component of the American Association of Colleges of Osteopathic Medicine, to an osteopathic medical student on the basis of service to the college, community and profession:

Constance Elizabeth Gasda 2001

THE SARAH SOMERS RUPERT SENIOR STUDENT HUMANITARIAN AWARD

This award is presented at graduation to the senior Physician Assistant student who has demonstrated an ongoing commitment to those in need. The recipient exemplifies the philosophy of health care service and compassion above self:

John D. Verna

